

**COMFORT  
CONTROL**

COMPLETE  
PROGRAM FOR  
WORKSHOPS,  
HOBBIES AND  
FOR OFFICES





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	<b>BE60</b> TRMS multimeter with thermal imaging camera		<b>B021</b> Videoscope		<b>B022</b> Mini videoscope		<b>B026</b> Videoscope								

 **TROTEC**



**A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series**



MultiMeasure Basic Measuring Device		BT20	BT22 WP	BP2F	BP5F	BP17	BP21	BP21 WP	BP25	BW05	BW10	BM12	BM18	BM22	BM22 WP	BM31	BM31 WP	BM40	BY10
appSensor	Smartphone control		■					■							■		■		
General use	For indoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Data logger function																		
Temperature	Liquid temperature	■	■	■	■						■								
	Bulk material temperature	■																	
	Food temperature	■		■	■														
	Surface temperature			■	■	■	■	■	■										
	Dew point temperature								■										
	Wet bulb temperature																		
	Contact temperature	■		■	■														
	HI / WBGT																		
Thermal imaging function																			
Material moisture	Wood moisture											■	■	■	■				■
	Building moisture											■	■	■	■	■	■	■	■
Air flow	Air flow speed																		
	Air volume flow																		
Room climate and air quality	Relative humidity								■										
	Air temperature		■						■			■	■	■	■				■
	Saturation humidity																		
	Absolute humidity																		
	Dew point temperature																		
	Climate quality indication																		
	Air quality indication																		
Air pressure																			
Liquid analysis	Break fluid									■									
	pH value										■								
Emissions (gas, EMF, light, sound)	Carbon dioxide																		
	Carbon monoxide																		
	Methane and other flammable gase																		
	Microwave radiation																		
	Illumination level																		
	Sound level																		
	Particle concentration																		
	Formaldehyde																		
Volatile Organic Compounds (TVOC)																			
Pressure	Tyre pressure																		■
	Differential pressure																		
Planning and measuring	Coating thickness (car paint etc.)																		
	Distances																		
	Areas																		
	Room volumes																		
	Alignment and leveling																		
	Spirit level																		
	Measuring wheel																		
Measuring tape																			
Electricity	Energy consumption / Energy costs																		
	AC voltage																		
	DC voltage																		
	AC																		
	DC																		
	Polarity																		
	RCD test (FI)																		
	True RMS																		
Further electric parameters																			
Visual inspection	Endoscopic video inspections																		
	Photo / video documentation																		
Location and detection	Metals / Live cables																		
	Wood																		
	UV reflectors																		



**A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series**

BV15 WP	BA06	BA16	BA16 WP	BA30 WP	BC06	BC21	BC21 WP	BC25	BZ01	BZ05	BZ06	BZ07	BZ290S	BZ15C	BZ15M	BZ20M	BZ21M	BZ22M	MultiMeasure Basic Measuring Device			
																				Smartphone control		
																				General use		
																					For indoor use	
																					For outdoor use	
																					Data logger function	
																					Temperature	
																						Liquid temperature
																						Bulk material temperature
																						Food temperature
																						Surface temperature
																						Dew point temperature
																						Wet bulb temperature
																						Contact temperature
																						HI / WBGT
																					Thermal imaging function	
																					Material moisture	
																						Wood moisture
																					Building moisture	
																					Air flow	
																						Air flow speed
																					Air volume flow	
																					Room climate and air quality	
																						Relative humidity
																						Air temperature
																						Saturation humidity
																						Absolute humidity
																						Dew point temperature
																						Climate quality indication
																					Air quality indication	
																					Air pressure	
																					Liquid analysis	
																						Break fluid
																					pH value	
																					Emissions (gas, EMF, light, sound)	
																						Carbon dioxide
																						Carbon monoxide
																						Methane and other flammable gas
																						Microwave radiation
																						Illumination level
																						Sound level
																						Particle concentration
																						Formaldehyde
																					Volatile Organic Compounds (TVOC)	
																					Pressure	
																						Tyre pressure
																					Differential pressure	
																					Planning and measuring	
																						Coating thickness (car paint etc.)
																						Distances
																						Areas
																						Room volumes
																						Alignment and leveling
																						Spirit level
																					Measuring wheel	
																					Measuring tape	
																					Electricity	
																						Energy consumption / Energy costs
																						AC voltage
																						DC voltage
																						AC
																						DC
																						Polarity
																						RCD test (FI)
																						True RMS
																					Further electric parameters	
																					Visual inspection	
																						Endoscopic video inspections
																					Photo / video documentation	
																					Location and detection	
																						Metals / Live cables
																						Wood
																					UV reflectors	

**A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series**



MultiMeasure Basic Measuring Device		BZ25	BZ26	BZ30	BL30	BG30	BG40	BG20	BQ16	BQ21	BQ30	BR16	BF06	BF06 WP	BS06	BS30 WP	BB20	BB30	BD5A	BD6A	
appSensor	Smartphone control													■		■					
General use	For indoor use	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use						■	■	■	■			■	■	■	■	■	■			
	Data logger function			■	■						■										
Temperature	Liquid temperature																				
	Bulk material temperature																				
	Food temperature																				
	Surface temperature																				
	Dew point temperature																				
	Wet bulb temperature																				
	Contact temperature																				
	HI / WBGT																				
Thermal imaging function																					
Material moisture	Wood moisture																				
	Building moisture																				
Air flow	Air flow speed																				
	Air volume flow																				
Room climate and air quality	Relative humidity	■	■	■	■					■	■										
	Air temperature	■	■	■	■					■	■										
	Saturation humidity																				
	Absolute humidity																				
	Dew point temperature																				
	Climate quality indication																				
	Air quality indication	■	■	■								■									
Air pressure																					
Liquid analysis	Break fluid																				
	pH value																				
Emissions (gas, EMF, light, sound)	Carbon dioxide	■	■	■								■									
	Carbon monoxide							■	■												
	Methane and other flammable gase					■	■														
	Microwave radiation											■									
	Illumination level												■	■							
	Sound level														■	■					
	Particle concentration									■	■										
	Formaldehyde						■			■											
Volatile Organic Compounds (TVOC)									■												
Pressure	Tyre pressure																				
	Differential pressure																				
Planning and measuring	Coating thickness (car paint etc.)																	■	■		
	Distances																				
	Areas																				
	Room volumes																				
	Alignment and leveling																			■	■
	Spirit level																				
Electricity	Measuring wheel																				
	Measuring tape																				
	Energy consumption / Energy costs																				
	AC voltage																				
	DC voltage																				
	AC																				
	DC																				
	Polarity																				
RCD test (FI)																					
Visual inspection	True RMS																				
	Further electric parameters																				
Location and detection	Endoscopic video inspections																				
	Photo / video documentation																				
Location and detection	Metals / Live cables																				
	Wood																				
	UV reflectors																				





**A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series**

BD7A	BD8A	BD1L	BD8M	BD11	BD16	BD21	BD22	BD26	BI15	BI20	UV6F	BH30	BN30	BN35	BX09 EU	BX50 MID	BE14	BE15	MultiMeasure Basic Measuring Device
																			Smartphone control
■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	For indoor use
											■								For outdoor use
																			Data logger function
																			Liquid temperature
																			Bulk material temperature
																			Food temperature
																			Surface temperature
																			Dew point temperature
																			Wet bulb temperature
																			Contact temperature
																			HI / WBGT
																			Thermal imaging function
																			Wood moisture
																			Building moisture
																			Air flow speed
																			Air volume flow
												■							Relative humidity
													■	■					Air temperature
																			Saturation humidity
																			Absolute humidity
																			Dew point temperature
																			Climate quality indication
																			Air quality indication
																			Air pressure
																			Break fluid
																			pH value
																			Carbon dioxide
																			Carbon monoxide
																			Methane and other flammable gas
																			Microwave radiation
																			Illumination level
																			Sound level
																			Particle concentration
																			Formaldehyde
																			Volatile Organic Compounds (TVOC)
																			Tyre pressure
																			Differential pressure
																			Coating thickness (car paint etc.)
			■	■	■	■	■	■											Distances
				■	■	■	■	■											Areas
				■	■	■	■	■											Room volumes
■	■	■	■																Alignment and leveling
		■			■			■											Spirit level
									■										Measuring wheel
			■																Measuring tape
															■	■			Energy consumption / Energy costs
																■	■	■	AC voltage
																			DC voltage
																■			AC
																			DC
																			Polarity
																			RCD test (FI)
																			True RMS
																■			Further electric parameters
																			Endoscopic video inspections
																			Photo / video documentation
									■	■									Metals / Live cables
									■	■									Wood
											■								UV reflectors

**A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series**



MultiMeasure Basic Measuring Device		BE16	BE17	BE20	BE38	BE40	BE42	BE44	BE47	BE49	BE50	BE52	BE60	B021	B022	B026
appSensor	Smartphone control															
General use	For indoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Data logger function															
Temperature	Liquid temperature															
	Bulk material temperature															
	Food temperature															
	Surface temperature												■			
	Dew point temperature															
	Wet bulb temperature															
	Contact temperature										■					
	HI / WBGT															
Thermal imaging function													■			
Material moisture	Wood moisture															
	Building moisture															
Air flow	Air flow speed															
	Air volume flow															
Room climate and air quality	Relative humidity															
	Air temperature															
	Saturation humidity															
	Absolute humidity															
	Dew point temperature															
	Climate quality indication															
	Air quality indication															
Air pressure																
Liquid analysis	Break fluid															
	pH value															
Emissions (gas, EMF, light, sound)	Carbon dioxide															
	Carbon monoxide															
	Methane and other flammable gase															
	Microwave radiation															
	Illumination level															
	Sound level															
	Particle concentration															
	Formaldehyde															
Volatile Organic Compounds (TVOC)																
Pressure	Tyre pressure															
	Differential pressure															
Planning and measuring	Coating thickness (car paint etc.)															
	Distances															
	Areas															
	Room volumes															
	Alignment and leveling															
	Spirit level															
	Measuring wheel															
Measuring tape																
Electricity	Energy consumption / Energy costs															
	AC voltage	■	■	■	■	■	■	■	■	■	■	■	■			
	DC voltage		■	■	■	■	■	■	■	■	■	■	■			
	AC					■	■	■	■	■	■	■	■			
	DC							■	■	■	■	■	■			
	Polarity		■	■	■	■	■	■	■	■	■	■	■			
	RCD test (FI)		■													
	True RMS							■					■	■		
Further electric parameters			■	■	■	■	■	■	■	■	■	■				
Visual inspection	Endoscopic video inspections													■	■	■
	Photo / video documentation														■	■
Location and detection	Metals / Live cables															
	Wood															
	UV reflectors															

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- Cordless Rotary Hammers
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- Circular Saws
- Reciprocating Saws
- Planer
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- Hot Glue Guns
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## BT20 Insertion thermometer

- Quick and easy core temperature measurements
- Broad measuring range
- Maximum, minimum value and hold function
- Easy handling and cleaning
- Rapid response time
- Soft-touch rubber protective cover
- Stainless steel measuring tip
- Automatic switch-off



## BT22WP Thermometer

- Development, design, production: 100 % Trotec
- Quick and easy temperature measurement of air and liquids
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



## BP2F Food thermometer

- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 25 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Retractable and lockable core temperature probe
- Robust washable IP65 construction
- Alarm function for maximum/minimum temperature limits
- Backlit display
- Integrated LED lamp
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Battery status indication



## BP5F Food thermometer

- Development, design, production: 100 % Trotec
- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 5 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Extremely compact due to retractable, lockable core temperature probe
- Robust washable IP65 construction
- Backlit display
- LED quick indicator lights for HACCP compliant temperature ranges
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Practice-optimized German industrial design – protected design patent

Overview:  
**Thermometers**



Technical data		BT20	BT22WP	BP2F	BP5F
Article number		3.510.205.001	3.510.205.009	3.510.003.017	3.510.003.020
Measuring range	Probe	-40 °C up to 250 °C / -40 °F up to 482 °F	-50 °C up to 150 °C / -58 °F up to 302 °F	-40 °C up to 200 °C / -40 °F up to 392 °F	-40 °C up to 200 °C / -40 °F up to 392 °F
	Infrared	–	–	-40 °C up to 280 °C / -40 °F up to 536 °F	-40 °C up to 280 °C / -40 °F up to 536 °F
Accuracy	Probe	±1.5 % or ±2 °C / ±3.8 °F	±2 °C / ±3.6 °F (at < 0 °C) ±1 °C / ±1.8 °F (at ≥ 0 °C)	±2 °C (at ≤ 0 °C) ±1 °C / ±1 % (at 0 °C up to 200 °C)	±1 °C (at ≤ 65 °C) ±1 % (at > 65 °C)
	Infrared	–	–	±3 °C (at -40 °C up to 20 °C) ±1 °C (at ≥ 20 °C up to 280 °C)	±2 °C (at < -4 °C) ±1 °C (at -4 °C up to 65 °C) ±1.5 % (at > 65 °C)
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–	–
Degree of emission		–	–	0.95	0.95
Response time		2 s	–	< 0.5 s	< 0.5 s
Data interface		–	Bluetooth 4.0	–	–
Range		–	–	–	–
Optical resolution (D:S)		–	–	4:1	20:1
Type of protection		–	–	IP65	IP65
Power supply		1 x 1.5 V, LR44	3 x 1.5 V, AAA	2 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		211 mm x 19 mm x 32 mm	22 mm x 36 mm x 223 mm	140 mm x 24 mm x 38 mm	185 mm x 50 mm x 67 mm
Weight		40 g	90 g	150 g	180 g
Functions		BT20	BT22WP	BP2F	BP5F
MultiMeasure Mobile App necessary		–	■	–	–
MultiMeasure Mobile App compatible		–	■	–	–
Minimum value display		■	■	■	■
Maximum value display		■	■	■	■
Average value display		–	■	–	–
Hold function		■	■	■	■
Non-contact measurement		–	■	■	■
Switching function °C/°F		■	■	■	■
Representation of measurement data as chart or table		–	■	–	–
Data export		–	■	–	–
Report generation function		–	■	–	–
Backlit display		–	–	■	■
Cooking assistant		–	–	–	–
Cooking levels		–	–	–	–
Display colour change function		–	–	–	–
Radio transmission		–	–	–	–
Stopwatch function		–	–	–	–
Alarm function		–	■	■	–
Acoustic alarm function		–	–	■	–
Alarm function with user-defined limit values		–	–	■	–
Timer function		–	–	–	■
Visual signal transmitter		–	–	–	–
Acoustic signal transmitter		–	–	–	–
HACCP quick indicator LED		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		–	■	■	–
Scope of delivery		BT20	BT22WP	BP2F	BP5F
Battery(-ies)		■	–	–	–
Protective cover for measuring tip		■	–	–	–
Magnetic holder		–	–	–	–
Velcro strap		–	–	–	–
Pocket clip		–	–	–	–
Stainless steel measuring probe with stainless steel connecting cable		–	–	–	–
Wrist strap		–	■	–	–
Optional accessories		BT20	BT22WP	BP2F	BP5F
Bag for WP-appSensors		–	3.510.206.090	–	–



## BP17 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -50 °C to +380 °C
- Selectable visual targeting laser
- Measuring optic 10:1
- Acoustic and visual alarm when exceeding/falling below a preselectable temperature difference
- Selectable sensitivity levels: OFF / 1 °C / 3 °C / 5 °C
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



## BP21 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -35 °C to +800 °C
- Measuring spot diameter display due to on-demand dual laser
- Measuring optic 12:1
- Degree of emission freely adjustable from 0.1 to 1.0
- Maximum, minimum value and hold function
- Backlit display
- Alarm function
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



## BP21WP Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -30 °C to +250 °C
- Multi-point laser
- Measuring optic 10:1
- Maximum, minimum value and hold function
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Logging function
- Chart representation of measurement data
- Report generation
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



## BP25 Pyrometer (dew point scanner)

- Development, design, production: 100 % Trotec
- One device for measuring surface temperature, air temperature, relative humidity and dew point temperature
- Acoustic and visual dew point alarm
- Measuring spot diameter display due to on-demand dual laser
- Measuring optic 20:1
- Bar graph indicator for the quick identification of condensation risks
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

## Overview: Pyrometers



Technical data		BP17	BP21	BP21WP	BP25
Article number		3.510.003.029	3.510.003.031	3.510.006.031	3.510.003.035
Surface temperature	Measuring range	-50 °C up to 380 °C / -58 °F up to 716 °F	-35 °C up to 800 °C / -31 °F up to 1,472 °F	-30 °C up to 250 °C / -22 °F up to 482 °F	-50 °C up to 260 °C / -58 °F up to 500 °F
	Accuracy	±2 °C / ±2 % (at > 0 °C) ±3 °C (at ≤ 0 °C)	±2 °C or ±2 % of measured value	±3 °C (at > 0 °C) ±2 °C / ±2 % (at ≤ 0 °C)	±3.5 °C (at < 20 °C) ±1.5 °C / 1 % (at ≥ 20 °C)
Air temperature	Measuring range	–	–	–	0 °C up to 50 °C / 32 °F up to 122 °F
	Accuracy	–	–	–	±1 °C (at 10 °C up to 40 °C) ±1.5 °C (at < 10 °C, > 40 °C)
Humidity	Measuring range	–	–	–	0 % RH up to 100 % RH
	Accuracy	–	–	–	±3.5 % (20 % RH up to 80 % RH)
Dew point temperature	Measuring range	–	–	–	-30 °C up to 100 °C / -22 °F up to 212 °F
	Accuracy	–	–	–	±2.0 %
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–
Smallest measuring spot		Ø 12.7 mm (Distance 127 mm)	Ø 12.5 mm (Distance 150 mm)	Ø 12.7 mm (Distance 254 mm)	Ø 25.4 mm (Distance 508 mm)
Degree of emission		0.95	0.1 up to 1.0	0.95	0.95
Response time		< 0.5 s	0.3 s	0.3 s	< 0.15 s
Data interface		–	–	Bluetooth 4.0	–
Spectral sensitivity		8 - 14 µm	8 - 14 µm	8 - 14 µm	8 - 14 µm
Optical resolution (D:S)		10:1	12:1	10:1	20:1
Power supply		1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		130 mm x 45 mm x 149 mm	150 mm x 45 mm x 108 mm	24,3 mm x 37 mm x 150.5 mm	168 mm x 58 mm x 82 mm
Weight		190 g	177 g	110 g	163 g
Functions		BP17	BP21	BP21WP	BP25
MultiMeasure Mobile App necessary		–	–	■	–
MultiMeasure Mobile App compatible		–	–	■	–
Minimum value display		–	■	■	–
Maximum value display		–	■	■	–
Average value display		–	–	■	–
Hold function		–	■	■	–
Long-term measurement function		–	–	■	–
Bar graph indicator for the quick identification of condensation risks		–	–	–	■
Non-contact measurement		■	■	■	■
Switching function °C/°F		■	■	■	■
Automatic reference temperature		■	–	–	–
Non-stop measuring function		–	■	–	–
Representation of measurement data as chart, matrix or table		–	–	■	–
Data export		–	–	■	–
Report generation function		–	–	■	–
Backlit display		■	■	–	■
Selectable single laser pointer		■	–	–	–
Selectable dual laser		–	■	–	■
Multi-point laser aiming aid		–	–	■	–
Visual signal transmitter		■	–	–	–
Acoustic signal transmitter		■	–	–	–
Alarm function		–	–	■	–
Alarm function with user-defined limit values		–	■	–	–
Acoustic alarm function		–	■	–	–
Acoustic dew point alarm		–	–	–	■
Visual dew point alarm		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		■	–	■	■
Scope of delivery		BP17	BP21	BP21WP	BP25
Battery(-ies)		–	–	–	–
Bag/Holster		■	■	–	■
Wrist strap		–	–	■	–
Optional accessories		BP17	BP21	BP21WP	BP25
Bag for WP-appSensors		–	–	3.510.206.090	–

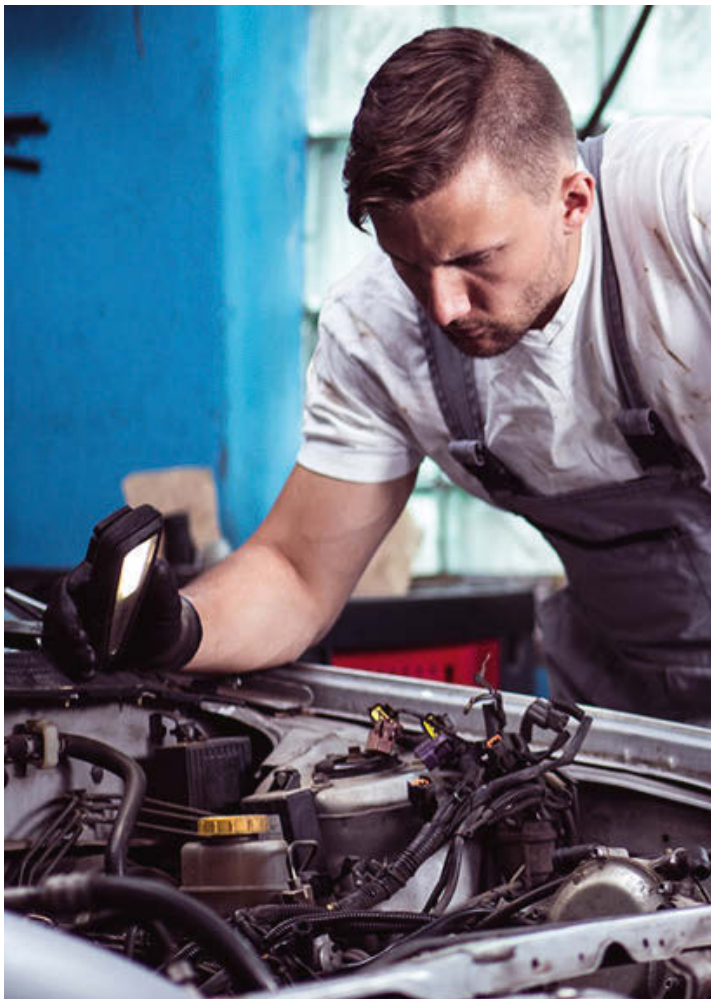


## BW05 Brake fluid tester

- Suitable for cars, motorcycles and trucks
- Checking the water concentration in brake fluids of type DOT3, DOT4 and DOT5.1 in a matter of seconds
- Self-explanatory LED status indication based on the traffic light principle
- Simple application
- No expert knowledge required
- Compact pen-shaped design with pocket clip
- Battery change indicator
- Automatic switch-off

## BW10 pH measuring device

- Two-line display for the simultaneous indication of pH value and water temperature
- Automatic temperature compensation (ATC) for precise measurements, when the liquids to be tested have different temperatures
- Three-point calibration ex factory
- Automatic calibration for pH 4.01/7.00/10.01
- Easily exchangeable pH electrode
- Hold function
- Incl. pH buffer solution set (4.01/7.00/10.01) and protective cap
- Automatic switch-off





Overview:  
**Brake fluid tester /  
 pH measuring device**



Technical data		BW05	BW10
Article number		3.510.205.805	3.510.205.810
Brake fluids		DOT3, DOT4, DOT5.1	–
pH value	Measuring range	–	0.00 pH up to 14.00 pH
	Accuracy	–	±0.02 pH
	Resolution	–	0.01 pH
Temperature	Measuring range	–	0 °C up to 50 °C / 32 °F up to 122 °F
	Accuracy	–	±0.2 °C / ±2 °F
	Resolution	–	0.1 °C / 1 °F
Display		–	LCD
Type of protection		–	IP65
Power supply		3 x 1.5 V, LR44	4 x 1.5 V, LR44
Dimensions		25 mm x 25 mm x 167,5 mm	188 mm x 38 mm x 38 mm
Weight		32 g	83 g
Functions		BW05	BW10
Brake fluid test for DOT3, DOT4 and DOT5.1 (traffic light principle)		■	–
Visual alarm		■	–
Hold function		–	■
Switching function °C/°F		–	■
Exchangeable pH electrode		–	■
Dual display of pH value and water temperature		–	■
Automatic temperature compensation		–	■
Auto calibration function for pH 4.01/7.00/10.01		–	■
Automatic switch-off		■	■
Automatic battery test		■	–
Scope of delivery		BW05	BW10
Battery(-ies)		–	–
pH buffer solution set (4.01/7.00/10.01)		–	■





### BM12 Moisture measuring device

- Wood and material moisture measurement with one device
- With protective cap
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Mode selection key
- Battery status indication
- Automatic switch-off



### BM18 Moisture measuring device

- Wood and material moisture measurement with one device
- With protective cap
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Incl. LED moisture indicator
- Simple handling via one button
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Mode selection key
- Battery status indication
- Automatic switch-off



### BM22 Moisture measuring device

- Development, design, production: 100 % Trotec
- Wood and material moisture measurement with one device
- Double scale for wood moisture and material moisture
- Incl. protective cap with integrated testing function
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Incl. LED moisture indicator
- Integrated LED torch
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Automatic testing of functions and battery
- Pocket clip
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

\* BM22WP Adapter cap available as an optional accessory



### BM22WP Moisture measuring device

- Development, design, production: 100 % Trotec
- Wood and material moisture measurement with one device
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Incl. protective cap with integrated testing function
- Logging function
- Chart representation of measurement data
- Report generation
- Easily changeable steel insertion measuring pins
- Automatic testing of functions and battery
- Alarm function
- Automatic switch-off
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



**BM31 Moisture indicator**

- Development, design, production: 100 % Trotec
- Quick and non-destructive indication of moisture distributions in near-surface areas
- Useful pre-examination tool for CM measurements
- Maximum, minimum value and hold function
- Automatic testing of functions and batteries
- Ready for immediate use
- Backlit display
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

**BM31WP Moisture indicator**

- Development, design, production: 100 % Trotec
- Quick and non-destructive indication of moisture distributions in near-surface areas
- Useful pre-examination tool for CM measurements
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Alarm function
- Auto calibration function upon switch-on
- Automatic switch-off
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



**BM40 Moisture measuring device**

- Development, design, production: 100 % Trotec
- Quick and non-destructive moisture measurement in mineral building materials and wood
- 10 selectable material curves for the most important types of wood and building materials
- Incl. ambient temperature measurement
- Simple handling via one button
- Direct display of measured values in %
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

Overview:  
**Moisture measuring devices**



Technical data		BM12	BM18	BM22	BM22WP
Article number		3.510.205.022	3.510.205.023	3.510.205.025	3.510.206.025
Measuring principle		Resistance measuring method	Resistance measuring method	Resistance measuring method	Resistance measuring method
Electrode length		approx. 8 mm	approx. 8 mm	approx. 8 mm	approx. 8 mm
Electrodes		Integrated, replaceable	Integrated, replaceable	Integrated, replaceable	replaceable
Wood moisture	Measuring range	6 % up to 44 %	6 % up to 60 %	6 % up to 44 %	6 % up to 50 %
	Accuracy	approx. ±2 %	±2 % (at < 30 %) ±4 % (at ≥ 30 %)	±2 % (at < 30 %) ±4 % (at ≥ 30 %)	approx. ±2 %
	Resolution	1 %	1 %	1 %	1 %
Building moisture	Measuring range	approx. 0.2 % up to 2 %	approx. 0.2 % up to 2.9 %	approx. 0.2 % up to 2 %	approx. 0.2 % up to 2.4 %
	Accuracy	approx. ±0.2 %	±0.1 % (at < 1.4 %) ±0.2 % (at ≥ 1.4 %)	±0.1 % (at < 1.4 %) ±0.2 % (at ≥ 1.4 %)	approx. ±0.2 %
	Resolution	0.1 %	0.1 %	0.05 %	0.05 %
Temperature	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	0 °C up to 40 °C / 32 °F up to 99 °F	0 °C up to 40 °C / 32 °F up to 104 °F	–
	Accuracy	approx. ±1 °C	Not specified	Not specified	–
	Resolution	1 °C / 2 °F	1 °C / 2 °F	1 °C / 2 °F	–
Surrounding conditions		0 °C up to 50 °C / 0 % RH up to 85 % RH	0 °C up to 40 °C / 0 % RH up to 85 % RH	0 °C up to 40 °C / 0 % RH up to 85 % RH	-20 °C up to 60 °C (at < 80 %)
Data interface		–	–	–	Bluetooth 4.0
Power supply		4 x 1.5 V, LR44	1 x 9 V block battery	4 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		96 mm x 20 mm x 40 mm	122 mm x 45 mm x 51 mm	155 mm x 34 mm x 52 mm	22 mm x 33 mm x 140 mm
Weight		83 g	115 g	135 g	103 g
Functions		BM12	BM18	BM22	BM22WP
MultiMeasure Mobile App necessary		–	–	–	■
MultiMeasure Mobile App compatible		–	–	–	■
Minimum value display		–	–	–	■
Maximum value display		–	–	–	■
Average value display		–	–	–	■
Hold function		–	■	–	■
Long-term measurement function		–	–	–	■
Material selection		■	■	–	–
Non-destructive measurement method		–	–	–	–
LED moisture indicator		–	■	■	–
Switching function °C/°F		■	■	■	–
Representation of measurement data as chart, matrix or table		–	–	–	■
Data export		–	–	–	■
Report generation function		–	–	–	■
Backlit LCD display		■	–	–	–
Backlit display		–	■	–	–
Alarm function		–	–	–	■
Automatic functional test		–	–	■	–
Automatic battery test		–	–	■	–
Belt clip		–	–	■	–
Automatic switch-off		■	■	■	■
Battery status indication		■	■	–	■
Scope of delivery		BM12	BM18	BM22	BM22WP
Battery(-ies)		–	–	–	–
Protective cap		■	■	■	■
Electrode tips (2.2 x 8 mm)		■	■	■	■
Wrist strap		–	–	–	■
Optional accessories		BM12	BM18	BM22	BM22WP
Bag for WP-appSensors		–	–	–	3.510.206.090
Adapter cap		–	–	–	3.510.206.091

Overview:  
**Moisture measuring devices**



Technical data		BM31	BM31WP	BM40
Article number		3.510.205.031	3.510.206.031	3.510.205.035
Measuring principle		Dielectric/capacitive	Dielectric/capacitive	Dielectric/capacitive
Electrode length		–	–	approx. 40 mm
Measuring range		0 Digit up to 100 Digit	0 Digit up to 100 Digit	–
Resolution		1 Digit	0.1 Digit	–
Penetration depth		5 mm up to 40 mm	40 mm	0 mm up to 50 mm
Measuring range	Solid brick	–	–	0 % up to 20 %
	Anhydrite screed	–	–	0 % up to 20 %
	Cement screed	–	–	0 % up to 20 %
	Sand-lime brick	–	–	0 % up to 20 %
	Gas concrete	–	–	0 % up to 20 %
	High-insulating brick	–	–	0 % up to 20 %
	Concrete	–	–	0 % up to 20 %
	Hardwood	–	–	0 % up to 50 %
	Softwood	–	–	0 % up to 50 %
	Chipboard	–	–	0 % up to 50 %
Resolution	Temperature	–	–	-10 °C up to 55 °C
	Wood	–	–	0.1 %
	Mineral building materials	–	–	0.1 %
Surrounding conditions		–	–	-5 °C up to 50 °C / 85 % RH
Data interface		–	Bluetooth 4.0	–
Power supply		1 x 9 V block battery	2 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		180 mm x 35 mm x 45 mm	22 mm x 36 mm x 160 mm	168 mm x 35 mm x 75 mm
Weight		180 g	93 g	220 g
Functions		BM31	BM31WP	BM40
MultiMeasure Mobile App necessary		–	■	–
MultiMeasure Mobile App compatible		–	■	–
Minimum value display		■	■	–
Maximum value display		■	■	–
Average value display		–	■	–
Hold function		■	■	–
Long-term measurement function		–	■	–
Material selection		–	–	■
Non-destructive measurement method		–	–	■
LED moisture indicator		–	–	–
Switching function °C/°F		–	–	–
Representation of measurement data as chart, matrix or table		–	■	–
Data export		–	■	–
Report generation function		–	■	–
Backlit LCD display		–	–	–
Backlit display		■	–	–
Alarm function		–	■	–
Automatic functional test		–	–	–
Automatic battery test		–	–	–
Belt clip		–	–	–
Automatic switch-off		■	■	■
Battery status indication		–	■	■
Scope of delivery		BM31	BM31WP	BM40
Battery(-ies)		–	–	–
Wrist strap		–	■	–
Optional accessories		BM31	BM31WP	BM40
Bag for WP-appSensors		–	3.510.206.090	–



## BY10 Tyre pressure meter

- Digital measuring device for quick and precise tyre pressure control
- Simple reading of measured values due to large LCD display
- Suitable for all valves
- Integrated torch
- Automatic switch-off



\* Prior tube available as an optional accessory



## BV15WP Differential pressure measuring device

- Development, design, production: 100 % Trotec
- Quick and easy measurement of differential pressure and air current
- Anemometer function
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



Overview:  
**Tyre pressure meter /**  
**Differential pressure measuring device**



Technical data		BY10	BV15WP
Article number		3.510.205.910	3.510.206.061
Tyre pressure	Measuring range	0.35 bar up to 6.9 bar 5 psi up to 100 psi 35 kPa up to 690 kPa	—
	Accuracy	±1%	—
Differential pressure	Measuring range	—	0 hPa up to 150 hPa
	Accuracy	—	±0.05 hPa (0 - 1.00 hPa) ±0.2 hPa + 1.5% of the display value (1.00 - 150 hPa)
	Resolution	—	0.01 hPa
Air current	Measuring range	—	0 m/s up to 50 m/s
	Accuracy	—	±5% of the display value @ 10.0 m/s
	Resolution	—	0.1 m/s
Display		LCD with three-digit measured value display	
Data interface		—	Bluetooth 4.0
Power supply		2 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		156 mm x 20 mm x 42 mm	22 mm x 36 mm x 158 mm
Weight		82 g	120 g
Functions		BY10	BV15WP
Switching function bar/psi/kPa		■	—
Integrated torch		■	—
Minimum value display		—	■
Maximum value display		—	■
Average value display		—	■
Hold function		—	■
Representation of measurement data as chart or table		—	■
Data export		—	■
Report generation function		—	■
Alarm function		—	■
Automatic switch-off		■	■
Battery status indication		—	■
Scope of delivery		BY10	BV15WP
Battery(-ies)		■	—
Magnetic holder		—	■
Wrist strap		—	■
Optional accessories		BY10	BV15WP
Bag for WP-appSensors		—	3.510.206.090
Pitot tube		—	3.510.206.062





### BA06 Vane anemometer

- Development, design, production: 100 % Trotec
- Quick and easy flow rate measurement of wind, air or gases
- Display maximum and average value
- Easy one-hand operation
- Magnet vane
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



### BA16 Vane anemometer

- Development, design, production: 100 % Trotec
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- Maximum, minimum value and hold function
- Semi-rigid gooseneck probe of 40 cm length
- Backlit display
- Soft-touch function keys
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



### BA16WP Vane anemometer

- Development, design, production: 100 % Trotec
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



### BA30WP Hot-wire anemometer

- Development, design, production: 100 % Trotec
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Extendable telescopic probe of 375 mm
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



Overview:  
Air flow meters



Technical data		BA06	BA16	BA16WP	BA30WP
Article number		3.510.205.042	3.510.205.43	3.510.206.042	3.510.206.043
Air flow rate	Measuring range	1.1 m/s up to 30 m/s 0.8 km/h up to 108 km/h 80 ft/min up to 5,900 ft/min 0.9 mph up to 67 mph 0.8 kn up to 58 kn	1 m/s up to 30 m/s 3.6 km/h up to 108 km/h 196 ft/min up to 5,900 ft/min 2.2 mph up to 67 mph 1.9 kn up to 58 kn	0.6 m/s up to 30 m/s 2.2 km/h up to 108 km/h 118 ft/min up to 5,905 ft/min 1.3 mph up to 67 mph 1.2 kn up to 58 kn	0 m/s up to 30 m/s 0 km/h up to 108 km/h 0 ft/min up to 5,900 ft/min 0 mph up to 67 mph 0 kn up to 58 kn
	Accuracy	±(3 % + 0.3 m/s) ±(3 % + 1 km/h) ±(3 % + 40 ft/min) ±(3 % + 0.4 mph) ±(3 % + 0.4 kn)	±(3 % + 0.2 m/s) ±(3 % + 0.8 km/h) ±(3 % + 40 ft/min) ±(3 % + 0.4 mph) ±(3 % + 0.4 kn)	±(3.5 % + 0.2 m/s) ±(3.5 % + 0.7 km/h) ±(3.5 % + 39 ft/min) ±(3.5 % + 0.4 mph) ±(3.5 % + 0.4 kn)	±(5 % + 0.1 m/s) at < 5 m/s ±(5 % + 0.3 m/s) at ≥ 5 m/s
	Resolution	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.1 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn
Volumetric flow	Measuring range	–	0 m³/min up to 999.9 m³/min (CMM)	–	–
	Resolution	–	0.1 m³/min (CMM)	–	–
Temperature	Measuring range	–	-10 °C up to 60 °C / 14 °F up to 140 °F	-20 °C up to 60 °C / -4 °F up to 140 °F	-20 °C up to 60 °C / -4 °F up to 140 °F
	Accuracy	–	±1.5 °C / ±3 °F	±0.8 °C (at < 0 °C) ±0.5 °C (at ≥ 0 °C)	±0.8 °C (at -20 up to 0 °C) ±0.5 °C (at 0 up to 60 °C)
	Resolution	–	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	–	–	0 % RH up to 100 % RH	0 % RH up to 99.9 % RH
	Accuracy	–	–	±3.5 % RH (at 20 % up to 80 % RH) ±5 % RH (at 0 % up to 20 % and 80 % up to 100 % RH)	±3.5 % RH (at 20 % up to 80 % RH) ±5 % RH (at 0 % up to 20 % and 80 % up to 100 % RH)
	Resolution	–	–	0.1 % RH	0.1 % RH
Gooseneck probe		–	Length approx. 40 cm	–	–
Telescopic probe		–	–	–	Length approx. 170 up to 375 mm
Data interface		–	–	Bluetooth 4.0	Bluetooth 4.0
Power supply		1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		167 mm x 34 mm x 56 mm	165 mm x 32 mm x 54 mm	22 mm x 43 mm x 158 mm	22 mm x 36 mm x 320/555 mm
Weight		139 g	270 g	122 g	122 g
Functions		BA06	BA16	BA16WP	BA30WP
MultiMeasure Mobile App necessary		–	–	■	■
MultiMeasure Mobile App compatible		–	–	■	■
Minimum value display		–	■	■	■
Maximum value display		■	■	■	■
Average value display		■	–	■	■
Hold function		–	■	■	■
Long-term measurement function		–	–	–	■
Measuring units		m/s, km/h, ft/min, mph, kn	m/s, km/h, ft/min, mph, kn, m³/min (CMM)	m/s, km/h, m³/min, ft/min, ft³/min, mph, kn	m/s, km/h, m³/min, ft/min, ft³/min, mph, kn
Sensor-controlled display illumination		■	–	–	–
¼ inch tripod thread		■	–	–	–
Switching function °C/°F		–	■	■	■
Representation of measurement data as chart or table		–	–	■	■
Data export		–	–	■	■
Report generation function		–	–	■	■
Backlit LCD display		–	–	–	–
Backlit display		–	■	–	–
Alarm function		–	–	■	■
Extendable telescopic probe		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		–	–	■	■
Scope of delivery		BA06	BA16	BA16WP	BA30WP
Battery(-ies)		–	–	–	–
Bag/Holster		■	–	–	–
Storage case		–	■	–	–
Magnetic holder		–	–	■	■
Wrist strap		–	–	■	■
Optional accessories		BA06	BA16	BA16WP	BA30WP
Universal tripod		6.300.000.200	–	–	–
Combination bracket with universal clamp		6.300.000.201	–	–	–
Bag for WP-appSensors		–	–	3.510.206.090	3.510.206.090



### BC06 Thermohygrometer

- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- Dual display for parallel presentation of additional measured values
- Maximum, minimum value and hold function
- Easy one-hand operation
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



### BC21 Thermohygrometer

- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- Dual display for parallel presentation of additional measured values
- Maximum, minimum value and hold function
- Rapid response time
- Soft-touch function keys
- Easy one-hand operation
- Backlit display
- Automatic switch-off
- Robust design
- Practice-optimized German industrial design – protected design patent



### BC21WP Thermohygrometer





- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Rapid response time
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



### BC25 Thermohygrometer

- Determination of climate parameters °C/°F, %RH, dew point, wet-bulb temperature, heat index (HI), apparent temperature (WBGT)
- Alarm function for heat index (HI) and apparent temperature (WBGT)
- Display of minimum, maximum and average values
- Large and easy-to-read LCD display
- Hold function
- Automatic switch-off

Overview:  
Thermohygrometers

					
<b>Technical data</b>		<b>BC06</b>	<b>BC21</b>	<b>BC21WP</b>	<b>BC25</b>
Article number		3.510.205.005	3.510.205.006	3.510.206.006	3.510.205.008
Air temperature	Measuring range	-20 °C up to 60 °C / -4 °F up to 140 °F	-30 °C up to 100 °C / -22 °F up to 199 °F	-20 °C up to 60 °C / -4 °F up to 140 °F	-20 °C up to 50 °C / -4 °F up to 122 °F
	Accuracy	±2 °C / ±1.5 °F (at -20 °C up to 0 °C) ±1 °C / ±1.5 °F (at 0 °C up to 40 °C) ±2 °C / ±1.5 °F (at 40 °C up to 60 °C)	±1 °C / ±1.5 °F	±0.8 °C (at -20 °C up to 0 °C) ±0.5 °C (at 0 °C up to 60 °C)	±0.6 °C
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	0 % RH up to 100 % RH	0 % RH up to 100 % RH (Specified 5 % RH up to 95 % RH)	0 % RH up to 100 % RH (Specified 5 % RH up to 95 % RH)	0 % RH up to 99.9 % RH
	Accuracy	±3.5 % RH (at 20 % up to 80 % RH) ±5 % RH (at 0 % up to 20 % and 80 % up to 100 % RH)	±2 % RH at 25 °C and 5 % RH up to 95 % RH	±3.5 % RH (at 20 % RH up to 80 % RH) ±5 % RH (at 0 % RH up to 20 % RH) ±5 % RH (at 80 % RH up to 100 % RH)	±3 % RH (at 10 % RH up to 90 % RH) ±5 % RH (at 0 % RH up to 10 % RH) ±5 % RH (at 90 % RH up to 99.9 % RH)
	Resolution	0.1 % RH	0.01 % RH	0.1 % RH	0.1 % RH
Dew point temperature	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	-30 °C up to 100 °C / -22 °F up to 199 °F	—	—
	Accuracy	±2 °C / ±3.6 °F	±1 °C / ±1.5 °F	—	—
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	—	—
Wet-bulb temperature (Cooling limit temperature)	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	0 °C up to 80 °C / 32 °F up to 176 °F	—	—
	Accuracy	±2 °C / ±3.6 °F	±1 °C / ±1.5 °F	—	—
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	—	—
Data interface	—	—	Bluetooth 4.0	—	
Power supply	1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	1 x 3 V, CR2032	
Dimensions	146 mm x 34 mm x 56 mm	225 mm x 32 mm x 54 mm	22 mm x 32 mm x 226 mm	142 mm x 20 mm x 36 mm	
Weight	145 g	200 g	180 g	52 g	
Functions	BC06	BC21	BC21WP	BC25	
MultiMeasure Mobile App necessary	—	—	■	—	
MultiMeasure Mobile App compatible	—	—	■	—	
Minimum value display	■	■	■	■	
Maximum value display	■	■	■	■	
Average value display	—	—	■	■	
Hold function	■	■	■	■	
Long-term measurement function	—	—	■	—	
Dew point	—	—	■	—	
Critical dew point	—	—	■	—	
Absolute humidity [g/m³]	—	—	■	—	
Specific humidity [g/gk]	—	—	■	—	
Heat index (HI)	—	—	—	■	
Perceived temperature (WBGT)	—	—	—	■	
Wet-bulb temperature	—	—	—	■	
Switching function °C/°F	■	■	■	■	
Representation of measurement data as chart or table	—	—	■	—	
Data export	—	—	■	—	
Report generation function	—	—	■	—	
Sensor-controlled display illumination	■	—	—	—	
Backlit display	—	■	—	—	
Alarm function	—	—	■	—	
Alarm function for Heat Index (HI)	—	—	—	■	
Alarm function for wind chill temperature (WBGT)	—	—	—	■	
¼ inch tripod thread	■	—	—	—	
Automatic switch-off	■	■	■	■	
Battery status indication	—	—	■	—	
Scope of delivery	BC06	BC21	BC21WP	BC25	
Battery(-ies)	—	—	—	—	
Bag/Holster	■	■	—	—	
Magnetic holder	—	—	■	—	
Wrist strap	—	—	■	—	
Optional accessories	BC06	BC21	BC21WP	BC25	
Universal tripod	6.300.000.200	—	—	—	
Combination bracket with universal clamp	6.300.000.201	—	—	—	
Bag for WP-appSensors	—	—	3.510.206.090	—	



### BZ01 Digital alarm clock with weather station

- Compact 4-in-1 clock with a display for simultaneously checking the time, weekday, date, room temperature, humidity level, and including weather forecast symbols
- °C / °F temperature display can be selected
- Time format can be set to 12 or 24 hours
- Alarm function with snooze button
- Absolutely noiseless (except for the alarm function)
- Display of minimum and maximum value
- LCD display with a clearly arranged measured value indication
- Compact table and wall device in attractive design
- Supplies helpful information on the prevention of mould formation



### BZ05 Indoor thermohygrometer

- Simultaneous display of room temperature, humidity and time or date
- Additional feel-good indication
- Display of recorded minimum and maximum values
- Large display with easily legible measured value indication
- Alarm function
- Free standing or wall mounted



### BZ06 Designer weather station

- Simultaneous indication of room temperature, humidity level, date, time, weekday and symbolic weather forecast
- Alarm function with snooze button
- Completely noiseless (except for the alarm function)
- Display of minimum and maximum values
- Large, transparent LC display with clear and easily legible measured value indication
- Compact table-top device in a modern, stylish design
- Supplies helpful information for preventing mould growth



### BZ07 Weather station and indoor climate monitoring unit

- Simultaneous indication of room temperature, humidity level, time or date, weather forecast, feelgood indication and temperature fluctuations
- Visualisation of the temperature changes spanning the past 12 hours
- Symbolic weather forecast indication
- Simplified feel-good indication
- Alarm function with snooze button
- Completely noiseless (except for the alarm function)
- Display of minimum and maximum values
- Large 5" LC display with clear and easily legible measured value indication
- Compact wall-mounted or tabletop device in a modern, stylish design
- Supplies helpful information for preventing mould growth



**BZ29OS Radio weather station with outdoor sensor**

- Simultaneous display of room temperature, room humidity, outdoor temperature, outdoor humidity, time, weekday, date, weather trend, comfort indicator and air pressure.
- Visualisation of the change in air pressure over the last 12 hours
- Trend display for temperature, humidity and weather
- Moon phase display
- Simplified comfort indicator display
- Frost alarm display
- Alarm function with snooze button
- Minimum and maximum value display
- 7.5" LCD display with clear and easy-to-read readings
- Compact table-top or wall-mounted unit in a modern and stylish design
- Provides helpful information for mould prevention
- 3 operating modes for weather station (mains adapter, USB cable, batteries)
- Battery status display (for weather station and outdoor sensor)



**BZ15C Thermohygrometer**

- High-quality mechanical measurement technology "made in Germany"
- Special scale design with climate-related colour indication
- Simple readability and interpretation
- Incl. calibration option



**BZ15M Thermohygrometer**

- High-quality mechanical measurement technology "made in Germany"
- Special scale design with season-dependent ventilation recommendation for optimum climate values
- Simple readability and interpretation
- Incl. calibration option



**BZ20M Thermohygrometer**

- High-quality mechanical measurement technology "made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Incl. calibration option



### BZ21M Thermohygrometer

- Four climate values on one dial: Room temperature, relative humidity, absolute humidity and saturation humidity
- Analogue precision measurement technology "Made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Adjustment option included



### BZ22M Thermohygrometer

- Four climate values on one dial: Room temperature, relative humidity, saturation humidity and dew point temperature
- Analogue precision measurement technology "Made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Incl. calibration option



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## Overview: Thermohygrometers



Technical data			BZ01	BZ05	BZ06	BZ07	BZ290S
Article number			3.510.205.000	3.510.205.010	3.510.205.016	3.510.205.017	3.510.205.058
Air temperature	Measuring range	Indoor sensor	-10 °C up to 50 °C / 14 °F up to 122 °F	0 °C up to 50 °C / 32 °F up to 122 °F	-9,9 °C up to 50 °C / 14 °F up to 122 °F	0 °C up to 50 °C / 32 °F up to 122 °F	-9,9 °C up to 50 °C / 14 °F up to 122 °F
		Outdoor sensor	–	–	–	–	-40 °C up to 70 °C / -40 °F up to 158 °F
	Accuracy		±1 °C / ±1.8 °F	±1 °C / ±1.8 °F	±2 °C	±2 °C	±0.2 °C
	Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	1 °C / 1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range		20 % RH up to 99 % RH	10 % RH up to 90 % RH	20 % RH up to 95 % RH	20 % RH up to 99 % RH	1 % RH up to 99 % RH
	Accuracy		±5 % RH	±5 % RH	±8 % RH (at 35 % RH up to 75 % RH) ±10 % RH (at 20 % RH up to 34 % RH) ±10 % RH (at 76 % RH up to 95 % RH)	±8 % RH (at 35 % RH up to 75 % RH) ±10 % RH (at 20 % RH up to 34 % RH) ±10 % RH (at 76 % RH up to 95 % RH)	±2 % RH (at 20 % RH up to 80 % RH) ±4 % RH (at 1 % RH up to 19 % RH and 81 % RH up to 99 % RH)
	Resolution		1 % RH	1 % RH	1 % RH	1 % RH	1 % RH
Power supply	Indoor sensor		1 x 1.5 V, AAA	1 x 1.5 V, AAA	1 x 1.5 V AAA	2 x 1.5 V AAA	230 V power adapter or 3 x 1.5 V AA
	Outdoor sensor		–	–	–	–	2 x 1.5 V AA
Dimensions	Indoor sensor		55 mm x 82 mm x 36 mm	108 mm x 60 mm x 15 mm	139 mm x 60 mm x 44 mm	105 mm x 151 mm x 22 mm	188 mm x 125 mm x 28 mm
	Outdoor sensor		–	–	–	–	133 mm x 40 mm x 27 mm
Weight (Indoor sensor / Outdoor sensor)			72 g / –	74 g / –	81 g / –	173 g / –	375 g / 103 g
Functions			BZ01	BZ05	BZ06	BZ07	BZ290S
MultiMeasure Mobile App necessary			–	–	–	–	–
MultiMeasure Mobile App compatible			–	–	–	–	–
Minimum value display			■	■	■	■	■
Maximum value display			■	■	■	■	■
Switching function °C/°F			■	■	■	■	■
Feel-good indication			–	■	–	■	■
Weather forecast indication			■	–	■	■	■
Bargraph indicator display			–	–	–	■	■
Moon phase display			–	–	–	–	■
Date			■	■	■	■	■
Weekday			■	–	■	–	■
Time			■	■	■	■	■
Alarm function with snooze button			■	■	■	■	■
Measurement of relative humidity			■	■	■	■	■
Measurement of air temperature			■	■	■	■	■
Measurement of absolute humidity			–	–	–	–	–
Measurement of saturation humidity			–	–	–	–	–
Measurement of dew point			–	–	–	–	–
Measurement of air pressure			–	–	–	–	■
Battery status indication			–	–	–	■	■
Scope of delivery			BZ01	BZ05	BZ06	BZ07	BZ290S
Battery(-ies)			–	–	–	–	–
Power adapter			–	–	–	–	■
USB connection cable			–	–	–	–	■
Optional accessories			BZ01	BZ05	BZ06	BZ07	BZ290S
USB power adapter			–	–	–	–	6.300.000.003





Overview:  
Thermohygrometers



Technical data		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
Article number		3.510.205.011	3.510.205.012	3.510.205.013	3.510.205.018	3.510.205.019
Air temperature	Measuring range	0 °C up to 40 °C	0 °C up to 40 °C	-10 °C up to 40 °C	-10 °C up to 40 °C	-10 °C up to 40 °C
	Accuracy	±2 °C	±2 °C	±2 °C	±2 °C	±2 °C
	Resolution	2 °C	2 °C	1 °C	1 °C	1 °C
Humidity	Measuring range	0 % RH up to 100 % RH	0 % RH up to 100 % RH	20 % RH up to 100 % RH	20 % RH up to 100 % RH	20 % RH up to 100 % RH
	Accuracy	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)
	Resolution	1 % RH	1 % RH	2 % RH	2 % RH	2 % RH
Power supply		–	–	–	–	–
Dimensions		103 mm x 24 mm	103 mm x 24 mm	130 mm x 28 mm	130 mm x 28 mm	130 mm x 28 mm
Weight		155 g	155 g	185 g	185 g	185 g
Functions		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
MultiMeasure Mobile App necessary		–	–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–	–
Minimum value display		–	–	–	–	–
Maximum value display		–	–	–	–	–
Switching function °C/°F		–	–	–	–	–
Feel-good indication		–	–	–	–	–
Weather forecast indication		–	–	–	–	–
Bargraph indicator display		–	–	–	–	–
Date		–	–	–	–	–
Weekday		–	–	–	–	–
Time		–	–	–	–	–
Alarm function with snooze button		–	–	–	–	–
Measurement of relative humidity		■	■	■	■	■
Measurement of air temperature		■	■	■	■	■
Measurement of absolute humidity		–	–	–	■	–
Measurement of saturation humidity		–	–	–	■	■
Measurement of dew point		–	–	–	–	■
Battery status indication		–	–	–	–	–
Scope of delivery		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
Battery(-ies)		–	–	–	–	–





### BZ25 CO<sub>2</sub> Air quality monitor

- Accurate and permanently stable NDIR measurement of carbon dioxide concentrations in the room air
- Simultaneous display of CO<sub>2</sub> values, room temperature, humidity, date and time
- Minimum and maximum value function for CO<sub>2</sub>, air temperature and humidity
- Carbon dioxide alarm function with acoustic alarm signal for freely definable limit values
- Additional symbolic CO<sub>2</sub> indicator display
- Large backlit display with easily legible measured value indication
- Automatic Baseline Calibration
- Free standing or wall mounted



### BZ26 CO<sub>2</sub> Air quality monitor

- Simultaneous indication of air quality (CO<sub>2</sub> concentration), room temperature, humidity level, time, weekday, date and feel-good indication
- Feel-good indication
- Individual CO<sub>2</sub> alarm limit value definition with visual and acoustic warning signal display
- Wake-up function with snooze button
- Additional CO<sub>2</sub> indication (feel-good indication)
- Absolutely silent
- Minimum and maximum value function for CO<sub>2</sub>, air temperature and humidity level
- Setting option between °C and °F
- LC display with clear and easily legible measured value indication
- 3 dimmable brightness levels (100 % / 30 % / 1 % brightness)
- Automatic baseline calibration
- Compact table or wall-mounted device in modern and stylish design
- Supplies helpful information on the prevention of mould formation
- Power supply with mains current (USB cable supplied) and batteries (3 x AAA type alkaline, 1.5 V)



### BZ30 CO<sub>2</sub> Air quality data logger

- Accurate and permanently stable NDIR measurement of carbon dioxide concentrations in the room air
- Simultaneous display of CO<sub>2</sub> values, room temperature, humidity, date and time
- Minimum and maximum value function for CO<sub>2</sub>, air temperature and humidity
- Carbon dioxide alarm function with acoustic alarm signal for freely definable limit values
- Additional symbolic CO<sub>2</sub> indicator display
- Large backlit display with easily legible measured value indication
- Autonomous long-term recording of carbon dioxide concentration, room temperature and humidity
- Memory for 50.000 measured values
- Freely definable saving interval from 1 second to 12 hours
- USB interface for measuring data transfer
- Automatic Baseline Calibration
- Free standing or wall mounted
- PC analysis software



### BL30 Climate data logger

- Autonomous long-term recording of climate data
- Memory for 32,000 measured values
- Freely definable saving interval from 1 second to 24 hours
- Alarm function
- Indication of minimum and maximum values incl. date and time
- USB interface for measuring data transfer
- PC analysis software
- Wall bracket with lockable combination lock
- Battery status indication

Overview:  
**CO<sub>2</sub> Air quality monitor /**  
**CO<sub>2</sub> Air quality data logger /**  
**Climate data logger**



Technical data		BZ25	BZ26	BZ30	BL30
Article number		3.510.205.014	3.510.205.055	3.510.205.015	3.510.205.520
Sensor		NDIR sensor (nondispersive infrared)	PAS sensor (photoacoustic spectroscopy)	NDIR sensor (nondispersive infrared)	–
Carbon dioxide	Measuring range	0 ppm up to 9,999 ppm CO <sub>2</sub>	0 ppm up to 5,000 ppm CO <sub>2</sub>	0 ppm up to 9,999 ppm CO <sub>2</sub>	–
	Accuracy	±75 ppm or ±5 % of measured value	±50 ppm or ±5 % of measured value	±75 ppm or ±5 % of measured value	–
	Resolution	1 ppm	1 ppm	1 ppm	–
Temperature	Measuring range	-5 °C up to 50 °C / 23 °F up to 122 °F	-9.9 °C up to 60 °C / 14 °F up to 140 °F	-5 °C up to 50 °C / 23 °F up to 122 °F	-40 °C up to 70 °C / -40 °F up to 158 °F
	Accuracy	±1 °C / ±1.8 °F	< 0 °C / > 40 °C: ±2 °C 0 °C up to 40 °C: ±1 °C	±1 °C / ±1.8 °F	±2 °C / ±3.6 °F
	Resolution	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	0.1 % RH up to 99.9 % RH	20 % RH up to 95 % RH	0.1 % RH up to 99.9 % RH	0 % RH up to 100 % RH
	Accuracy	±5 % RH	±5 % RH at 40 % up to 80 % ±8 % RH at 20 % up to 39 % and 81 % up to 95 %	±5 % RH	±3.5 % RH
	Resolution	0.1 % RH	1 % RH	0.1 % RH	0.1 % RH
Measuring interval		2 s	CO <sub>2</sub> : 6 s   °C: / RH: 30 s	2 s	–
PC interface		–	–	USB	USB
Power supply		230 V power adapter	3 x 1.5 V AAA or USB power adapter	1 x 3.7 V, Li-Ion battery or 230 V power adapter	1 x 3.6 V Li-SOCL <sub>2</sub> , 14250
Dimensions		90 mm x 110 mm x 98 mm	22 mm x 89 mm x 125 mm	90 mm x 110 mm x 98 mm	94 mm x 32 mm x 50 mm
Weight		190 g	165 g	245 g	91 g
Functions		BZ25	BZ26	BZ30	BL30
MultiMeasure Mobile App necessary		–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–
Minimum value display		■	■	■	■
Maximum value display		■	■	■	■
Hold function		■	–	■	–
Switching function °C/°F		■	■	■	■
CO <sub>2</sub> -Acoustic alarm function		■	■	■	–
CO <sub>2</sub> -Sensor		■	■	■	–
Feel-good indication		■	■	■	–
Date		■	■	■	■
Weekday		–	■	–	–
Time		■	■	■	■
Alarm function with snooze button		–	■	–	–
Freely selectable measuring cycle		–	–	1 second up to 12 hours	1 second up to 24 hours
Continuous or ring recording		–	–	max. 50,000 measured values	max. 32,000 measured values (16,000 each for temperature and humidity)
Alarm function		–	■	–	■
Backlit display		■	■	■	–
Battery status indication		–	■	–	■
Scope of delivery		BZ25	BZ26	BZ30	BL30
Battery(-ies)		–	–	–	■
Li-Ion battery(-ies)		–	–	■	–
Power adapter		■	–	■	–
Lockable wall holder		–	–	–	■
USB connection cable		–	■	■	–
PC-Software Smartgraph		–	–	■	■
PC-Software MultiMeasure Studio		–	–	–	■
Bag/Holster		–	–	–	■
Optional accessories		BZ25	BZ26	BZ30	BL30
USB power adapter		–	6.300.000.003	–	–





### BG20 Carbon monoxide measuring device

- Quick and reliable measurement of CO concentrations in the ambient air
- Measuring range 0 ppm to 1,000 ppm
- Maximum value and hold function
- Adjustable alarm limit values
- Easy one-hand operation
- Backlit display
- Memory for ten measured values
- Automatic switch-off



### BG30 Gas detector

- Gas warning device and gas detector in one device
- Visual and acoustic alarm
- Alarm frequency in relation to gas concentration
- Individual calibration thanks to stepless sensitivity controller
- Easy one-hand operation
- Semi-rigid gooseneck probe of 40 cm length for the examination of poorly accessible locations



### BG40 Gas detector

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>■ Gas warning device and gas detector in one device</li> <li>■ Visual and acoustic alarm signal as well as vibration alert</li> <li>■ Alarm frequency in relation to gas concentration</li> <li>■ Large, easy-to-read display with additional indicator</li> <li>■ Easy one-hand operation</li> <li>■ Semi-rigid gooseneck probe of 40 cm length for the examination of poorly accessible locations</li> </ul> | <ul style="list-style-type: none"> <li>■ Backlit LCD display</li> <li>■ Soft-touch function keys</li> <li>■ Automatic switch-off</li> <li>■ Battery status indication</li> <li>■ Integrated ¼ inch tripod thread</li> </ul> |
|---|---|



Overview:  
**Carbon monoxide measuring device /  
 Gas detectors**

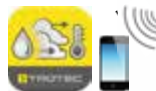


Technical data		BG20	BG30	BG40
Article number		3.510.205.060	3.510.205.064	3.510.205.068
Sensor		Stabilised electrochemical gas-specific (CO)	–	–
Kohlenmonoxid	Measuring range	0 ppm up to 1,000 ppm	–	–
	Accuracy	±5 % or ±10 ppm	–	–
	Resolution	1 ppm	–	–
Standard calibration	Methane	–	■	■
	Accuracy	–	50 ppm	50 ppm
Warm-up time		< 20 s	approx. 60 s	approx. 40 s
Alarm threshold		–	10 % UEG	x10: 0 up to 100 ppm, 100 up to 400 ppm, 400 up to 700 ppm, 700 up to 1,000 ppm, x100: 0 up to 1,000 ppm, 1,000 up to 4,000 ppm, 4,000 up to 7,000 ppm, 7,000 up to 10,000 ppm
Max. alarm level		–	40 % UEG	x10: >1,000, x100: >10,000
Response time		–	< 2 s (up to 40 % LEL)	2 s
Operating conditions		0 °C up to 50 °C 0 % RH up to 99 % RH (Non-condensing)	0 °C up to 50 °C 10 % RH up to 90 % RH (Non-condensing)	0 °C up to 40 °C 10 % RH up to 85 % RH (Non-condensing)
Gooseneck probe		–	Length approx. 40 cm	Length approx. 40 cm
Power supply		1 x 9 V block battery	3 x 1.5 V, C	1 x 3.7 V Li-Ion battery integrated
Dimensions		160 mm x 40 mm x 56 mm	221 mm x 24 mm x 72 mm	45 mm x 60 mm x 220 mm
Weight		180 g	520 g	428 g
Functions		BG20	BG30	BG40
MultiMeasure Mobile App necessary		–	–	–
MultiMeasure Mobile App compatible		–	–	–
Maximum value display		■	–	–
Hold function		■	–	–
Individual calibration thanks to stepless intensity controller		–	■	–
Auto-Zero function		–	–	■
Headphone connection		–	■	–
Memory for ten measured values		■	–	–
Acoustic alarm function		■	–	–
Acoustic alarm function (alarm frequency in relation to gas concentration)		–	■	■
Visual alarm function		■	■	■
Vibrating alert		–	–	■
Backlit display		■	–	■
¼ inch tripod thread		–	–	■
Automatic switch-off		■	–	■
Battery status indication		–	–	■
Scope of delivery		BG20	BG30	BG40
Battery(-ies)		–	–	–
Charger		–	–	■
Bag/Holster		■	■	■
Optional accessories		BG20	BG30	BG40
Universal tripod		–	–	6.300.000.200
Combination bracket with universal clamp		–	–	6.300.000.201



### BQ16 HCHO/TVOC measuring device

- Development, design, production: 100 % Trotec
- Compact air quality measuring device for the detection of formaldehyde and VOC concentrations in the room air
- Determination of measured values in ppm or mg/m<sup>3</sup>
- Dual real-value display for HCHO and TVOC
- Maximum, minimum value and hold function
- Backlit display
- Soft-touch function keys
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



MultiMeasure Mobile ready



### BQ21 Particle measuring device

- Development, design, production: 100 % Trotec
- Compact environmental measuring device for the detection of particulate matter pollution and climate data
- 2" colour display for simultaneous indication of all measured parameters
- Memory space for up to 5,000 data sets
- Direct conversion and display of the concentrations of inhalable and alveolar dust fractions contained in the room air stated in µg per m<sup>3</sup> of air
- Maximum or minimum value and hold function
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations
- Alarm function
- Compatible with the MultiMeasure Mobile App (Bluetooth)
- Variety of further measuring and analysis functions
- Battery status indication
- Automatic switch-off
- Integrated tripod connection and stand
- Practice-optimized German industrial design – protected design patent



### BQ30 Long-term air quality monitor

- Long-term air quality monitor for simultaneous detection of particle mass concentration in the air
- Measurement of fine particulates with a max. diameter of PM2.5 and PM10
- Indication of CO<sub>2</sub> pollution, current room temperature and humidity level
- Automatic Baseline Calibration
- Memory space for up to 5,000 data sets
- Bar graph indicator
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations
- Automatic switch-off
- 3" colour display for simultaneous indication of all measured parameters
- Battery and mains operation possible
- Adjustable display brightness
- Automatically alternating indication of all measured climate parameters
- Date and time indication
- Language selection
- Battery status indication



### BR16 Microwave radiation measuring device

- Development, design, production: 100 % Trotec
- Quick and easy radiation measurement in 2.45 GHz band
- Maximum value and hold function
- Automatic visual and acoustic alarm signal generator when exceeding limit values
- Backlit display
- Soft-touch function keys
- Automatic switch-off
- Integrated 1/4 inch tripod thread
- Practice-optimized German industrial design – protected design patent



### BF06 Luxmeter

- Development, design, production: 100 % Trotec
- Measurement of illuminance and incidence of light
- Large, clearly legible measurement value display
- Maximum value function
- Easy one-hand operation
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



### BF06WP Luxmeter

- Development, design, production: 100 % Trotec
- Measurement of illuminance and incidence of light
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Magnetic holder to allow for hands-free working
- Practice-optimized German industrial design – protected design patent



### BS06 Sound level measuring device

- Development, design, production: 100 % Trotec
- Quick and reliable sound level measurements
- Maximum, minimum value and hold function
- Sensor-controlled display illumination in poor lighting conditions
- Easy one-hand operation
- Rapid response times
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



### BS30WP Sound level measuring device

- Development, design, production: 100 % Trotec
- Quick and reliable sound level measurements
- Maximum, minimum value and hold function
- Average value determination
- Rapid response times
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent





Overview:  
Emission measuring devices



Technical data		BQ16	BQ21	BQ30	BR16
Article number		3.510.205.090	3.510.205.095	3.510.205.098	3.510.205.071
Formaldehyd	Measuring range	0 ppm up to 5 ppm / 0 mg/m <sup>3</sup> up to 5 mg/m <sup>3</sup>	–	–	–
	Accuracy	± 5 % FS (full scale)	–	–	–
	Resolution	0.01 ppm / 0.01 mg/m <sup>3</sup>	–	–	–
TVOC	Measuring range	0 ppm up to 9.99 ppm / 0 mg/m <sup>3</sup> up to 9.99 mg/m <sup>3</sup>	–	–	–
	Accuracy	± 10 % FS (full scale)	–	–	–
	Resolution	0.01 ppm / 0.01 mg/m <sup>3</sup>	–	–	–
Particles	Channels	–	2	2	–
	Duct sizes	–	2.5 µm, 10 µm	2.5 µm, 10 µm	–
	Measuring range	–	0.00 µg/m <sup>3</sup> up to 2,000 µg/m <sup>3</sup>	0.00 µg/m <sup>3</sup> up to 2,000 µg/m <sup>3</sup>	–
	Resolution	–	1 µg/m <sup>3</sup>	1 µg/m <sup>3</sup>	–
CO <sub>2</sub>	Measuring range	–	–	0 ppm up to 9,999 ppm	–
	Resolution	–	–	1 ppm	–
Air temperature	Measuring range	–	0 °C up to 50 °C / 32 °F up to 122 °F	-20 °C up to 70 °C / -4 °F up to 158 °F	–
	Resolution	–	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–
Humidity	Measuring range	–	0 % RH up to 100 % RH	0 % RH up to 100 % RH	–
	Resolution	–	0.1 % RH	0.1 % RH	–
Microwave radiation (2.45 GHz)	Measuring range	–	–	–	0 - 9.99 mW/cm <sup>2</sup>
	Accuracy	–	–	–	±1 dB
	Resolution	–	–	–	0.01 mW/cm <sup>2</sup>
Alarm limit value	–	–	–	–	5.0 mW/cm <sup>2</sup>
Frequency range	–	–	–	–	Calibrated to 2.45 GHz
Operating conditions	–	–	–	–	0 °C up to 50 °C 10 % RH up to 80 % RH (Non-condensing)
Data interface	–	–	Bluetooth 4.0	Bluetooth 4.0	–
Power supply	–	1 x 9 V block battery	1 x 7.2 V Li-ion battery integrated	1 x 3.7 V Li-Po battery	1 x 9 V block battery
Dimensions	–	35 mm x 55 mm x 230 mm	188 mm x 35 mm x 52 mm	85 mm x 75 mm x 155 mm	160 mm x 42 mm x 60 mm
Weight	–	205 g	175 g	360 g	150 g
Functions	–	BQ16	BQ21	BQ30	BR16
MultiMeasure Mobile App necessary	–	–	–	–	–
MultiMeasure Mobile App compatible	–	–	■	■	–
Minimum value display	■	–	–	–	–
Maximum value display	■	–	–	–	■
Real-time measured value display	■	–	–	–	–
Hold function	■	–	–	–	■
Simultaneous measurement PM2.5 and PM10	–	–	■	■	–
Representation of measurement data as chart, matrix or table	–	–	■	■	–
Data export	–	–	■	■	–
Report generation function	–	–	■	■	–
Bargraph indicator display	–	–	■	■	–
Switching function °C/°F	–	–	■	–	–
Memory for 5,000 measured values	–	–	■	■	–
Bluetooth interface	–	–	■	■	–
Backlit display	■	–	–	–	■
Adjustable display brightness	–	–	–	■	–
Automatically alternating indication of all measured climate parameters	–	–	–	■	–
CO <sub>2</sub> configurable measuring rate	–	–	–	■	–
Optional XY-diagram	–	–	–	■	–
Visual alarm function	–	–	–	■	■
Acoustic alarm function	–	–	–	■	■
Date	–	–	–	■	–
Time	–	–	■	■	–
¼ inch tripod thread	–	–	■	–	■
Integrated foot	–	–	■	–	–
Automatic switch-off	■	–	■	–	■
Battery status indication	■	–	–	–	–
Recharge battery status indicator	–	–	■	■	–
Scope of delivery	–	BQ16	BQ21	BQ30	BR16
Battery(-ies)	–	–	–	–	–
Li-Ion battery (integrated)	–	–	■	–	–
Li-Po battery	–	–	–	■	–
Wire stand	–	–	■	–	–
Mini USB cable	–	–	■	■	–
Charger (USB 5 V, 1 A)	–	–	■	■	–
Bag/Holster	–	–	–	–	■
Optional accessories	–	BQ16	BQ21	BQ30	BR16
Universal tripod	–	–	6.300.000.200	–	6.300.000.200
Combination bracket with universal clamp	–	–	6.300.000.201	–	6.300.000.201
USB power adapter	–	–	6.300.000.003	6.300.000.003	–



Overview:  
Emission measuring devices

					
<b>Technical data</b>		<b>BF06</b>	<b>BF06WP</b>	<b>BS06</b>	<b>BS30WP</b>
Article number		3.510.205.081	3.510.205.085	3.510.205.051	3.510.206.051
Light detector		Durable silicone photodiode with infrared filter	Durable silicone photodiode with infrared filter	–	–
Lux	Measuring range	0 lx up to 40,000 lx (0 fc up to 3,716 fc)	0 lx up to 40,000 lx (0 fc up to 3,716 fc)	–	–
	Accuracy	±5 % ±10 lx/fc (< 10,000 lx / 1,000 fc) ±10 % ±10 lx/fc (> 10,000 lx / 1,000 fc)	±4 % ±10 lx/fc (< 10,000 lx / 1,000 fc) ±10 % ±10 lx/fc (> 10,000 lx / 1,000 fc)	–	–
	Resolution	0.1 lx / 0.01 fc	0.1 (<200 LUX) 1 (<2,000 LUX) 10 (<20,000 LUX) 100 (<40,000 LUX)	–	–
dB(A)	Measuring range	–	–	40 dB(A) up to 130 dB(A) (31.5 Hz - 8 kHz)	35 dB(A) up to 130 dB(A) (31.5 Hz - 8 kHz)
	Accuracy	–	–	±3.5 dB (at 1 kHz and 94 dB)	±3.5 dB (at 1 kHz and 94 dB)
	Resolution	–	–	0.1 dB	0.1 dB
Measuring rate		2.5 x per second, nominal	1 x per second, nominal	–	–
Response time		–	–	0.125 s	0.125 s
Operating conditions		–	–	0 °C up to 40 °C 10 % RH up to 75 % RH	-20 °C up to 60 °C 10 % RH up to 90 % RH
Data interface		–	Bluetooth 4.0	–	Bluetooth 4.0
Power supply		1 x 9 V block battery	3 x 1.5 V, AAA	1 x 9 V block battery	3 x 1.5 V, AAA
Dimensions		157 mm x 34 mm x 56 mm	22 mm x 36 mm x 155 mm	140 mm x 34 mm x 56 mm	110 mm x 30 mm x 20 mm
Weight		138 g	111 g	135 g	123 g
<b>Functions</b>		<b>BF06</b>	<b>BF06WP</b>	<b>BS06</b>	<b>BS30WP</b>
MultiMeasure Mobile App necessary		–	■	–	■
MultiMeasure Mobile App compatible		–	■	–	■
Minimum value display		–	■	■	■
Maximum value display		■	■	■	■
Average value display		–	■	–	■
Hold function		–	■	■	■
Long-term measurement function		–	–	–	■
Switching function lx/fc		■	–	–	–
Representation of measurement data as chart, matrix or table		–	■	–	■
Data export		–	■	–	■
Report generation function		–	■	–	■
Sensor-controlled display illumination		■	–	■	–
Alarm function		–	■	–	■
¼ inch tripod thread		■	–	■	–
Automatic switch-off		■	■	■	■
Battery status indication		–	■	–	■
<b>Scope of delivery</b>		<b>BF06</b>	<b>BF06WP</b>	<b>BS06</b>	<b>BS30WP</b>
Battery(-ies)		–	–	–	–
Bag/Holster		■	–	■	–
Wind shield		–	–	■	■
Magnetic holder		–	■	–	■
Wrist strap		–	■	–	■
<b>Optional accessories</b>		<b>BF06</b>	<b>BF06WP</b>	<b>BS06</b>	<b>BS30WP</b>
Universal tripod		6.300.000.200	–	6.300.000.200	–
Combination bracket with universal clamp		6.300.000.201	–	6.300.000.201	–
Bag for WP-appSensors		–	3.510.206.090	–	3.510.206.090



## BB20 Layer thickness measuring device

- Dual sensor for thickness measurement of non-magnetic layers on all magnetic and nonmagnetic metals
- Broad measuring range from 0  $\mu\text{m}$  to 1,250  $\mu\text{m}$
- Spring-loaded measuring head
- V groove for measurement to be performed at round surfaces
- Alarm function when exceeding or falling below a freely definable layer thickness
- Various statistical functions such as maximum, minimum and average layer thickness
- Two-point calibration for pinpoint accuracy
- Memory space for up to 400 measured values
- USB interface for measuring data transfer to a PC
- Easy one-hand operation
- Backlit display
- Automatic switch-off
- Battery status indication



## BB30 Layer thickness measuring device

- Dual sensor for thickness measurement of non-magnetic layers on all magnetic and nonmagnetic metals
- Broad measuring range from 0  $\mu\text{m}$  to 2,000  $\mu\text{m}$
- Spring-loaded measuring head
- V groove for measurement to be performed at round surfaces
- Convenient probe extension to reach poorly accessible measuring locations
- Error indicator for incorrect measuring
- Simple zero point calibration for quick operational readiness and high precision
- Memory space for up to 2,500 measured values
- All stored values and groups can be called up directly at the device
- Bluetooth interface for PC measuring data transfer
- Compatible with the MultiMeasure Mobile App (Bluetooth)
- Adaptive display illumination
- Automatic switch-off
- Battery status indication



Overview:  
Layer thickness measuring devices



Technical data		BB20	BB30
Article number		3.510.205.075	3.510.205.077
Sensor		Ferromagnetic ground, Non-ferrous metal ground	Ferromagnetic ground, Non-ferrous metal ground
Functional principle		Magnetic induction, turbulent	Magnetic induction, turbulent
Guaranteed tolerance		Fe: $\pm 3\% + 1\ \mu\text{m}$ (at 0 $\mu\text{m}$ up to 850 $\mu\text{m}$ ) Fe: $\pm 5\%$ (at 850 $\mu\text{m}$ up to 1,250 $\mu\text{m}$ ) nFe: $\pm 3\% + 1.5\ \mu\text{m}$ (at 0 $\mu\text{m}$ up to 850 $\mu\text{m}$ ) nFe: $\pm 5\%$ (at 850 $\mu\text{m}$ up to 1,250 $\mu\text{m}$ )	Fe: $\pm 2\% + 2\ \mu\text{m}$ (at 0 $\mu\text{m}$ up to 1,000 $\mu\text{m}$ ) Fe: $\pm 3.5\%$ (at 1,000 $\mu\text{m}$ up to 2,000 $\mu\text{m}$ ) nFe: $\pm 2\% + 2\ \mu\text{m}$ (at 0 $\mu\text{m}$ up to 1,000 $\mu\text{m}$ ) nFe: $\pm 3.5\%$ (at 1,000 $\mu\text{m}$ up to 2,000 $\mu\text{m}$ )
Minimum bending radius (surface)		Fe: 1.5 mm nFe: 3 mm	Fe: 1.5 mm nFe: 3 mm
Minimum measuring surface		Fe: $\varnothing 7\ \text{mm}$ nFe: $\varnothing 5\ \text{mm}$	Fe: $\varnothing 7\ \text{mm}$ nFe: $\varnothing 5\ \text{mm}$
Critical primary layer thickness		Fe: 0.5 $\mu\text{m}$ nFe: 0.3 $\mu\text{m}$	Fe: 0.5 $\mu\text{m}$ nFe: 0.3 $\mu\text{m}$
Layer thickness ( $\mu\text{m}$ )	Measuring range	0 $\mu\text{m}$ up to 1,250 $\mu\text{m}$	0 $\mu\text{m}$ up to 2,000 $\mu\text{m}$
	Accuracy	$\pm 0.1\ \mu\text{m}$	$\pm 0.1\ \mu\text{m}$ (at 0 $\mu\text{m}$ up to 100 $\mu\text{m}$ ) $\pm 1\ \mu\text{m}$ (at 100 $\mu\text{m}$ up to 1,000 $\mu\text{m}$ ) $\pm 0.01\ \text{mm}$ (at 1,000 $\mu\text{m}$ up to 2,000 $\mu\text{m}$ )
Data interface		–	Bluetooth 4.0
Power supply		2 x 1.5 V, AAA	2 x 1.5 V, AAA
Dimensions		110 mm x 24 mm x 54 mm	114 mm x 27 mm x 54 mm
Weight		114 g	152 g
Functions		BB20	BB30
MultiMeasure Mobile App necessary		–	–
MultiMeasure Mobile App compatible		–	■
Minimum value display		■	■
Maximum value display		■	■
Average value display		■	■
Memory space		400 Measured values	2,500 Measured values
Sensor for ferromagnetic ground		■	■
Sensor for non-ferrous metal ground		■	■
Representation of measurement data as chart, matrix or table		–	■
Data export		–	■
Report generation function		–	■
Two-point calibration		■	–
Standard deviation		■	–
Error indicator for incorrect measuring		–	■
Backlit display		■	■
Acoustic alarm function		■	–
Automatic switch-off		■	■
Battery status indication		■	■
Scope of delivery		BB20	BB30
Battery(-ies)		–	–
Transport case		■	■
USB cable		■	–
Software		■	–
Calibration accessories		■	■
Probe cable extension		–	■



### BD5A Cross line laser

- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling laser
- Laser projection either as cross lines or as individual horizontal or vertical line
- High accuracy of only  $\pm 0.8$  mm/m (at  $0^\circ$ )
- Ideally suited for fast and straight alignment of drill holes, pictures, tiles, strips of wallpaper, wall cupboards, shelves etc.
- Incl. multifunctional combination holder with universal clamp plus suction cup
- Latest laser technology ultra-easy to handle
- Laser locking function for projecting oblique lines
- Operating switch with transport position for safe laser position fixing when changing the location
- Integrated  $\frac{1}{4}$  inch tripod thread



### BD6A Cross line laser

- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling laser
- Laser projection selectable as cross lines and horizontal or vertical single lines
- High accuracy of only  $\pm 3$  mm at 10 m (at  $0^\circ$ )
- Automatic warning if the ground is more inclined and the laser projection cannot be compensated for
- Alignment of drill holes, pictures, tiles, wallpaper strips, wall cabinets, shelves etc.
- IP54 protection – protected against dust and splash water
- Multifunctional combi-mount with universal clamp, suction cup and ball joints optionally available
- State-of-the-art laser technology with ultra-easy handling
- Laser lock function for projection of even slanted lines
- Operating switch with transport position to securely fix the position of the laser when changing locations
- Integrated  $\frac{1}{4}$ -inch tripod thread



### BD7A Rotary laser

- 3 projection modes:  $360^\circ$  horizontal mode, cross line mode,  $90^\circ$  vertical mode
- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling rotary laser
- High accuracy of only  $\pm 0.8$  mm/m (at  $0^\circ$ )
- Ideally suited for fast and straight alignment of drill holes, pictures, tiles, strips of wallpaper, wall cupboards, shelves etc.
- Visual warning when outside the auto-levelling range
- Incl. multifunctional combination holder with universal clamp plus suction cup
- Latest laser technology ultra-easy to handle
- Laser locking function for projecting oblique lines
- Operating switch with transport position for safe laser position fixing when changing the location
- Integrated  $\frac{1}{4}$  inch tripod thread
- Quick charging via supplied micro USB cable



### BD8A Rotary laser

- Projection of 4 cross and single lines (2 x  $360^\circ$  horizontal, 2 x  $90^\circ$  vertical)
- Projects high-intensity laser lines up to a distance of 30 m
- Self-levelling rotating laser
- High accuracy of only  $\pm 1.5$  mm / 5 m (at  $0^\circ$ )
- Optimal for fast and straight alignment of drill holes, pictures, tiles, wallpaper strips, wall cupboards, shelves etc.
- Optical warning when out of auto levelling range
- State-of-the-art laser technology with ultra-easy handling
- Laser locking function for projection of even oblique lines
- Operating switch with transport position to securely fix the position of the laser when changing location
- Integrated  $\frac{1}{4}$ -inch tripod thread
- Fast charging via supplied USB-C cable
- Incl. carrying case and a wide range of accessories



**BD1L Laser spirit level**

- 0.20 m to 20 m laser distance measurement
- Precise measurement of distances, areas and volumes in seconds
- Integrated horizontal line laser (10 m range)
- Vertical and horizontal bubble level with integrated illumination
- Backlit multi-line display
- Continuous measuring mode
- Magnetic holder
- Battery status indication
- Power-saving automatic switch-off



**BD8M 3-in-1 measuring device**

- 0.05 m to 40 m laser distance measurement
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Integrated cross line laser (10 m range)
- Integrated measuring tape (5 m length)
- Backlit multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 20 most recent measured values
- Robust workmanship for rough construction site applications
- Battery status indication
- Power-saving automatic switch-off



**BD11 Distance meter**

- Range of 0.05 m to 30 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 10 most recent measured values
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off
- Wrist strap
- Quick charging via supplied micro USB cable



**BD16 Distance meter**

- Range of 0.05 m to 40 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 10 most recent measured values
- Can be used as spirit level thanks to bubble
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off
- Belt clip
- Wrist strap



**BD21 Distance meter**

- Integrated 90° tilt sensor
- Range of 0.05 m to 70 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Can be used as an electronic spirit level
- Robust workmanship – dust- and splash-proof (IP41)
- Measurement to be made from the front and rear edge
- Multifunctional end piece
- Timer function
- Battery status indication
- Automatic switch-off
- Integrated ¼ inch tripod thread



**BD22 Distance meter**

- 0.05 m to 50 m distance measurement
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Integrated measuring wheel for measuring curved lines, curves and circumferences (measuring range 0 to 10 m)
- Integrated spirit level for precise alignment
- Backlit multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 50 most recent measured values
- Robust workmanship for rough construction site applications
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off



**BD26 Distance meter**

- Integrated 90° tilt sensor
- Range of 0.05 m to 120 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Can be used as an electronic spirit level
- Robust workmanship – dust- and splash-proof (IP41)
- Measurement to be made from the front and rear edge
- Multifunctional end piece
- Timer function
- Battery status indication
- Automatic switch-off
- Integrated ¼ inch tripod thread



Overview:  
Cross line lasers



Technical data	BD5A	BD6A	BD7A	BD8A
Article number	3.510.205.151	3.510.205.159	3.510.205.152	3.510.205.166
Display	Multifunction LED	Multifunction LED	2 status LEDs (red/green)	Display
Range auto-levelling	±4°	3.5° ±1°	±3°	3.5° ±1°
Range (Line laser)	10 m	10 m	10 m	30 m
Accuracy	±0.8 mm/m (at 0°), ±1 mm/m (at ≤4°)	±3 mm / 10 m (at 0°)	±0.8 mm/m (at 0°) ±1 mm/m (at ≤3°)	±1.5 mm / 5 m (at 0°) α >10° ±0.5° / α <10° ±0.2°
Laser class	2	2	2	2
Laser output	1 mW	<1 mW	1 mW	<1 mW
Laser wavelength	650 nm	635 nm	650 nm	515 nm
Type of protection	IP40	–	IP40	–
Power supply	2 x 1.5 V, AA	2 x 1.5 V, AA	1 x 3.7 V Li-ion battery integrated	2 x 3.7 V Li-Ion battery 18650
Dimensions	83 mm x 60 mm x 72 mm	71 mm x 62 mm x 91 mm	112 mm x 55 mm x 55 mm	105 mm x 132 mm x 130 mm
Weight	275 g	316 g	280 g	750 g
Functions	BD5A	BD6A	BD7A	BD8A
MultiMeasure Mobile App necessary	–	–	–	–
MultiMeasure Mobile App compatible	–	–	–	–
Cardanic automatic levelling	■	■	■	■
Projection of horizontal single line	–	–	–	–
Projection of cross and single lines (horizontal & vertical)	■	■	–	–
Projection of individual or cross lines (360° horizontal, 90° vertical)	–	–	■	–
Projection of individual or cross lines (2 x 360° horizontal, 2 x 90° vertical)	–	–	–	■
Laser locking function (transport protection) and tilt adjustment	■	■	■	■
Optical warning outside the automatic levelling range	–	■	■	■
Signal tone	–	–	–	■
Backlit display	–	–	–	■
¼ inch tripod thread	■	■	■	■
Automatic switch-off	–	–	–	–
Battery status indication	–	–	–	■
Recharge battery status indicaton	–	–	–	■
Scope of delivery	BD5A	BD6A	BD7A	BD8A
Battery(-ies)	–	–	–	–
Li-Ion battery (integrated)	–	–	■	–
Li-Ion battery 18650	–	–	–	■
Multi-functional support arm	■	–	■	–
Mini tripod with spirit level	–	–	–	■
Tripod mounting plate	–	–	–	■
Multifunctional magnetic mount with spirit level	–	–	–	■
Trapeze	–	–	–	■
Micro-USB cable	–	–	■	–
USB-C cable	–	–	–	■
Charger (USB 5 V, 1 A)	–	–	■	–
Transport case	–	–	–	■
Optional accessories	BD5A	BD6A	BD7A	BD8A
Universal tripod	6.300.000.200	6.300.000.200	6.300.000.200	6.300.000.200
Combination bracket with universal clamp	6.300.000.201	6.300.000.201	6.300.000.201	6.300.000.201
USB power adapter	–	–	6.300.000.003	6.300.000.003



# PLANNING AND MEASURING

Overview:  
**Laser spirit level**  
**Laser distance meters**



Technical data	BD1L	BD8M	BD11	BD16
Article number	3.510.205.148	3.510.205.157	3.510.205.153	3.510.205.154
Display	Display	Display	Display	Display
Measured values	m, in, ft	m, in, ft	m, in, ft	m, in, ft
Inclination measurement	–	–	–	–
Range (Distance laser)	0.20 m up to 20 m / 0.66 ft up to 65.60 ft	0.05 m up to 40 m / 0.16 ft up to 131 ft	0.05 m up to 30 m / 0.17 ft up to 98 ft	0.05 m up to 40 m / 0.16 ft up to 131 ft
Range (Line laser)	10 m	10 m	–	–
Range (Measuring tape)	–	0.001 m up to 5 m	–	–
Accuracy	±3.0 mm/m (at 0°)	–	–	–
Laser class	2	2	2	2
Laser output	< 1 mW	1 mW	1 mW	1 mW
Laser wavelength	630 - 670 nm	–	–	–
Recall of previous measurements	–	20	10	10
Type of protection	–	–	IP54	IP54
Power supply	1 x 3.7 V Li-ion battery integrated	2 x 1.5 V, AAA	1 x 3.7 V Li-ion battery integrated	2 x 1.5 V, AA
Dimensions	229 mm x 19 mm x 48 mm	85 mm x 56 mm x 82 mm	75 mm x 34 mm x 15 mm	124 mm x 41 mm x 23 mm
Weight	217 g	290 g	24 g	118 g
Functions	BD1L	BD8M	BD11	BD16
MultiMeasure Mobile App necessary	–	–	–	–
MultiMeasure Mobile App compatible	–	–	–	–
Minimum value display	–	■	■	■
Maximum value display	–	■	■	■
Non-stop measuring function	■	■	■	■
Projection of horizontal single line	■	–	–	–
Projection of cross lines	–	■	–	–
Measuring tape	–	■	–	–
Pythagoras function	–	■	■	■
Indirect measurement as per Pythagoras' theorem	–	–	–	–
Indirect measuring using tilt sensor	–	–	–	–
Area measurement	■	■	■	■
Volume measurement	■	■	■	■
Addition	–	■	■	■
Subtraction	–	■	■	■
Multifunctional end piece	–	–	–	–
Magnetic holder	■	–	–	–
Integrated spirit level bubble	■	–	–	■
Electronic spirit level	–	–	–	–
Distancetracking	–	–	–	–
Timer	–	–	–	–
Signal tone	–	■	–	■
Backlit display	■	■	■	■
¼ inch tripod thread	–	–	–	–
Automatic switch-off	■	■	■	■
Battery status indication	–	■	–	■
Recharge battery status indicaton	■	–	■	–
Scope of delivery	BD1L	BD8M	BD11	BD16
Battery(-ies)	–	–	–	–
Li-Ion battery (integrated)	■	–	■	–
Multi-functional support arm	–	–	–	–
Micro-USB cable	–	–	■	–
USB-C cable	■	–	–	–
Belt clip	–	■	–	■
Bag/Holster	–	–	–	–
Wrist strap	–	■	■	■
Optional accessories	BD1L	BD8M	BD11	BD16
Universal tripod	–	–	–	–
Combination bracket with universal clamp	–	–	–	–
USB power adapter	6.300.000.003	–	6.300.000.003	–



Overview:  
Laser distance meters



Technical data	BD21	BD22	BD26
Article number	3.510.205.156	3.510.205.158	3.510.205.161
Display	Display	Display	Display
Measured values	m, in, ft	m, in, ft	m, in, ft
Inclination measurement	90° (-45° up to 45°)	–	90° (-45° up to 45°)
Range (Distance laser)	0.05 m up to 70 m / 0.16 ft up to 230 ft	0.05 m up to 50 m / 0.16 ft up to 164 ft	0.05 m up to 120 m / 0.16 ft up to 394 ft
Range (Line laser)	–	–	–
Range (Measuring tape)	–	–	–
Accuracy	–	–	–
Laser class	2	2	2
Laser output	1 mW	1 mW	1 mW
Laser wavelength	–	–	–
Recall of previous measurements	10	50	10
Type of protection	IP41	–	IP41
Power supply	2 x 1.5 V, AA	2 x 1.5 V, AAA	2 x 1.5 V, AA
Dimensions	118 mm x 49 mm x 27 mm	130 mm x 51 mm x 28 mm	118 mm x 49 mm x 27 mm
Weight	150 g	128 g	150 g
Functions	BD21	BD22	BD26
MultiMeasure Mobile App necessary	–	–	–
MultiMeasure Mobile App compatible	–	–	–
Minimum value display	■	■	■
Maximum value display	■	■	■
Non-stop measuring function	■	■	■
Projection of horizontal single line	–	–	–
Projection of cross lines	–	–	–
Measuring tape	–	–	–
Pythagoras function	■	■	■
Indirect measurement as per Pythagoras' theorem	■	■	■
Indirect measuring using tilt sensor	■	–	■
Area measurement	■	■	■
Volume measurement	■	■	■
Addition	■	■	■
Subtraction	■	■	■
Multifunctional end piece	■	–	■
Magnetic holder	–	–	–
Integrated spirit level bubble	–	■	–
Electronic spirit level	■	–	■
Distancetracking	■	–	■
Timer	■	–	■
Signal tone	■	■	■
Backlit display	■	■	■
¼ inch tripod thread	■	–	■
Automatic switch-off	■	■	■
Battery status indication	■	■	■
Recharge battery status indicaton	–	–	–
Scope of delivery	BD21	BD22	BD26
Battery(-ies)	–	–	–
Li-Ion battery (integrated)	–	–	–
Multi-functional support arm	–	–	–
Micro-USB cable	–	–	–
USB-C cable	–	–	–
Belt clip	–	–	–
Bag/Holster	■	–	■
Wrist strap	■	–	■
Optional accessories	BD21	BD22	BD26
Universal tripod	6.300.000.200	–	6.300.000.200
Combination bracket with universal clamp	6.300.000.201	–	6.300.000.201
USB power adapter	–	–	–



## BI15 Wall scanner

- Simple detection of live cables, wood or metal in walls and floors
- Adjustable laser levelling assistance
- With integrated bulls eye level and spirit level for exact alignment
- Adjustment wheels for compensating for uneven surfaces
- Detection depth up to 38 mm
- Audiovisual alarm upon detection of alternating current
- Laser installation assistance up to 6 meter range
- Material calibration when switched on
- Simple operation
- Battery status indication



## BI20 Wall scanner

- Development, design, production: 100 % Trotec
- Simple detection of live (AC) cables, wood or metal in walls and floors
- Detection depth up to 50 mm
- Audiovisual alarm upon detection of alternating current
- Simple handling via one button
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

### Overview: Wall scanners

Technical data	BI15	BI20
Article number	3.510.205.140	3.510.205.141
Detection depth for metal and live cables	max. 38 mm	max. 50 mm
Detection depth for wood	max. 19 mm	max. 25.4 mm
Laser rotation	180° in steps of 45°	–
Laser accuracy	12.7 mm at 6.1 m	–
Laser range	max. 6.1 m	–
Power supply	1 x 9 V block battery	1 x 9 V block battery
Dimensions	180 mm x 38 mm x 67 mm	168 mm x 35 mm x 75 mm
Weight	180 g	210 g
Functions	BI15	BI20
MultiMeasure Mobile App necessary	–	–
MultiMeasure Mobile App compatible	–	–
Selectable levelling laser	■	–
Audiovisual alarm upon detection of alternating current	■	–
Signal tone for detection of edges	■	–
Calibration function	■	–
Visual signal transmitter	–	■
Acoustic signal transmitter	–	■
Automatic switch-off	–	■
Battery status indication	■	■
Scope of delivery	BI15	BI20
Battery(-ies)	–	–



### UV-Torchlight 6F Ultraviolet LED torch

- Ultraviolet LED technology with 1000 mW and 365 nm wavelength
- Optimum wavelength for effectively usable UV light in a wide range of applications
- 12 UV high-performance LEDs behind clear glass lens with high scratch resistance
- Low energy consumption thanks to modern LED technology
- Lightweight, compact and durable aluminium housing with non-slip surface
- Practical end cap switch



Overview:  
**Ultraviolet LED torch**



Technical data	UV-Torchlight 6F
Article number	3.510.011.004
Lamp type	12 x LED, approx. 1 W
Wavelength	UV-A, Peak up to 365 nm
Housing design	6061-T6 aluminium
Type of protection	IP65
Power supply	3 x 1.5 V, AAA
Dimensions	96.5 mm x 29.5 mm x 29.5 mm
Weight	57 g
Functions	UV-Torchlight 6F
MultiMeasure Mobile App necessary	—
MultiMeasure Mobile App compatible	—
No warm-up phase – immediately ready for use	■
Insensitive to magnetic fields	■
Scope of delivery	UV-Torchlight 6F
Battery(-ies)	—



### BH30 Socket hygrostat

- Simple handling and programming
- Constant humidity regulation of humidifiers and dehumidifiers to a set value
- Regulation of the humidity level between 20 % and 90 % RH
- Prevention of unnecessary runtimes due to automatic device switch-on/switch-off
- Operating status can be identified by red or green indicator light
- Neatly arranged display
- Reset option for selected settings
- Buffer battery for storage of selected settings



### BN30 Socket thermostat

- Simple handling and programming
- Quick adjustment of the programme temperature possible
- Suitable for heating and cooling control
- Operating range from -10 °C to +70 °C
- Regulation from 5 °C to 30 °C
- Temperature control in steps of 0.5 °C
- Permanent consumer switch-off function (OFF)
- Overview display
- Buffer battery for storage of selected settings



### BN35 Radio-controlled socket thermostat

- Suitable for heating and cooling control – manually and automatically
- Comprehensive programming options: 7 week programs, 6 changes per day
- Individual programming depending on the day: Mon - Fri, Sat - Sun, Mon - Sun
- Simple and flexible installation – no mains connection or cable
- Suitable for switching up to 100 radio-controlled sockets
- Simple switch-over from daylight saving to standard time
- Operating range from 0 °C to 70 °C
- Temperature control in steps of 1.0 °C
- Automatic frost protection system (5 °C)
- Permanent consumer switch-off function (OFF)
- Large range of up to 20 metres
- Indication of room temperature and time
- Backlit display
- Battery status indication
- For wall mounting

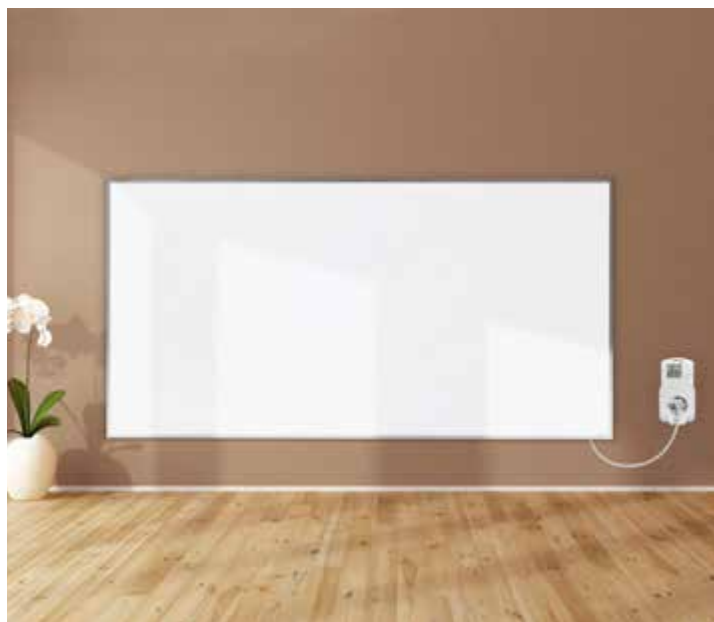


## Overview:

**Socket hygrostat /  
Socket thermostat /  
Radio-controlled socket thermostat**


Technical data		BH30	BN30	BN35
Article number		6.100.004.205	6.100.007.009	6.100.007.008
Switching capacity		9 A / 2,070 VA (Inductive load) 16 A / 3,680 VA (Resistive load)	2 A / 460 VA (Inductive load) 16 A / 3,680 VA (Resistive load)	75 A / 250 VA (Inductive load) 16 A / 250 VA (Resistive load)
Control range		20 % RH up to 90 % RH	5 °C up to 30 °C / 41 °F up to 86 °F	0 °C up to 70 °C / 32 °F up to 158 °F
Accuracy	Humidity	±5 % RH	–	–
	Temperature	–	±0.5 °C	±1 °C
Measuring interval		–	10 s	20 s
Operating conditions		5 °C up to 35 °C at 95 %	-10 °C up to 70 °C	0 °C up to 70 °C
Display		LCD, monochrome	LCD, monochrome	LCD
Insulation		Protection class I	Protection class I	Protection class II
Type of protection		IP30	IP20	IP20
Radio	Transmission frequency	–	–	2.4 GHz
	Range	–	–	20 m
Power supply	Control unit	–	–	2 x 1.5 V, AA
	Radio-controlled socket	230 V/50 Hz / 1x 3 V, CR2032	230 V/50 Hz	230 V/50 Hz
Dimensions		126 mm x 68 mm x 76 mm	140 mm x 60 mm x 75 mm	73 mm x 66 mm x 112 mm
Weight		165 g	340 g	105 g
Functions		BH30	BN30	BN35
MultiMeasure Mobile App necessary		–	–	–
MultiMeasure Mobile App compatible		–	–	–
Humidity control for humidification and dehumidifying operation		■	–	–
Temperature control for heating or cooling operation		–	■	■
Display of the current room humidity		■	–	–
Display of the current room temperature		–	■	■
Target temperature indication		–	–	■
Manual switching function		■	■	–
Programmable timer switch		–	–	■
LED indicator button		–	–	■
Automatic frost protection system		–	–	■
Backlit LCD display		–	–	■
Power fail-safe		■	■	■
Simple switchover from daylight saving to standard time		–	–	■
Memory function		–	–	■
Can be remote-controlled		–	–	■
Battery status indication		–	–	■
Scope of delivery		BH30	BN30	BN35
Battery(-ies)		–	–	–
Optional accessories		BH30	BN30	BN35
Separate radio-controlled socket BN35R		–	–	6.100.007.007

**Note:** Connected consumers are switched to zero potential when the device is switched OFF and must be provided with an automatic restart function.





## BX09 EU Energy cost measuring device

- Quick and easy measurement of your energy demand
- Power consumption indication in watts, price or costs per kWh
- Minimum possible current indication 0.1 W
- Buffer condenser for saving the chosen settings
- Display of the current power consumption of one or more appliances
- Connection of a multiple socket with several appliances possible
- Easy to read and understand LCD display
- Power failure protected



## BX50 MID Energy consumption measuring device

- Development, design, production 100 % Trotec
- Professional measuring device for quickly and easily recording the energy requirement of electric consumers
- MID-compliance – approved for the commercial determination of the energy consumption for billing purposes
- Sealing slots for safeguarding the plugs in compliance with the Weights and Measures Act (MessEG)
- Tamper-proof total consumption meter
- Resettable daily consumption meter
- Socket outlet with spring-loaded flap lid to provide protection against pollution when it is not used
- Practice-optimized German industrial design – protected design patent

### Overview: Energy cost measuring device / MID Energy consumption measuring device

Technical data	BX09 EU	BX50 MID
Article number	3.510.205.918 (BX09 EU), 3.510.205.917 (BX09 UK), 3.510.205.919 (BX09 FR), 3.510.205.916 (BX09 CH)	3.510.205.950
Performance	Measuring range	
	0.1 W up to 3,680 W	57.5 W up to 3,680 W
Maximum performance	3,680 W / 16 A (BX09 EU, BX09 FR), 2,990 W / 13 A (BX09 UK), 2,300 W / 10 A (BX09 CH)	3,680 W / 16 A
Alternating voltage	–	176 V up to 276 V
Input voltage	230 V, AC / 50 / 60 Hz	230 V, AC / 50 Hz
Consumption measurement	0.01 kWh up to 9,999.9 kWh	0 kWh up to 999,999.9 kWh
Recording capacity	9,999.9 h	–
Surrounding conditions	5 °C up to 40 °C	-25 °C up to 55 °C
Measuring circuit category	–	CAT II (600 V)
Insulation	Protection class I	Protection class II
Accuracy class	–	Class 1 IEC62053-21, Class B EN50470-1/3
Type of protection	IP20	IP20
Measured values	Power [W], Power consumption indication [kWh], Price [€], Costs per kWh [€/kWh]	Power [W], AC voltage [V/AC], Alternating current [A/AC], Frequency [Hz], Power factor [cos φ], Indication of max. electricity demand [W], Indication of absolute consumption [kWh]
Power supply	230 V, AC / 50 / 60 Hz	230 V, AC / 50 Hz
Dimensions	95 mm x 51 mm x 70 mm	77 mm x 68 mm x 118 mm
Weight	100 g	155 g
Functions	BX09 EU	BX50 MID
Tamperproof total consumption meter	–	■
Resettable daily consumption meter	–	■
Display illumination	–	■
Power fail-safe	■	■
Optional accessories	BX09 EU	BX50 MID
Safety seal	–	6.100.002.090

\*MID-compliant counters correspond to the European Measuring Instruments Directive (MID) that defines the requirements for active power meters used for billing purposes. This for example also applies to the energy consumption measuring for recharging to insurance companies or customers. The former initial factory calibration is now replaced by the MID compliance, however, the devices have to be re-calibrated after a defined period of time – for instance after 8 years in case of electronic counters in Germany.



### BE14 Voltage detector

- Quick non-contact detection of alternating voltages
- Visual and acoustic alarm function
- Compact design in pen shape with pocket clip
- Integrated torch



### BE15 Voltage detector

- Selection of two measuring ranges with different sensitivity levels
- Quick non-contact detection of alternating voltages
- Visual and acoustic alarm function
- Compact design in pen shape with pocket clip
- Integrated torch



### BE16 Voltage detector

- Quick and non-contact detection of alternating voltage
- Visual and acoustic alarm when voltage is present
- Stepless adjustment of the measurement sensitivity
- Compact design in pen shape with pocket clip
- Integrated LED lamp for operation in unfavourable lighting conditions





### BE17 Voltage tester

- Versatile bipolar voltage tester for measuring alternating (AC) and direct (DC) voltage as well as polarity
- RCD test, 30 mA
- IP64 type of protection
- Overvoltage category CAT III 400 V
- Dust- and splash-proof housing



### BE20 Voltage tester

- Unipolar phase testing without counter potential
- Versatile bipolar voltage tester for measuring alternating (AC) and direct (DC) voltage as well as polarity and rotating field
- Visual and acoustic continuity test
- Voltage indication even with empty batteries
- Automatic switch-off
- Integrated torch for measuring point illumination
- Automatic function test
- Impact-, dust- and splash-proof housing



### BE38 Clamp meter

- Robust housing
- CAT III 300 V
- Measurement of alternating current up to 400 A
- Voltage measurement up to 300 V (AC/DC)
- Resistance measurement and diode test
- Acoustic continuity test
- Hold function
- Suitable for line diameters of up to 25 mm



### BE40 Clamp meter

- Robust housing with injectionmoulded rubber coating
- CAT III 600 V
- Measurement of alternating current up to 1,000 A
- Voltage measurement up to 600 V (AC/DC)
- Resistance measurement
- Continuity and diode test
- Automatic and manual range selection
- Measured value hold function and maximum value indication
- Backlit display
- Suitable for line diameters of up to 30 mm
- Automatic switch-off





### BE42 TRMS clamp meter

- Robust housing
- CAT III 600 V
- Measurement of alternating current up to 400 A
- Measurement of AC voltage up to 600 V
- Measurement of DC voltage up to 600 V
- Resistance measurement
- Continuity and diode test
- Automatic and manual range selection
- Measured value hold function and maximum value indication
- Dust-protected – protection type IP40
- Backlit display
- Suitable for line diameters of up to 28 mm
- Automatic switch-off
- Battery status indication
- Integrated LED lamp



### BE44 Clamp meter

- Robust housing
- CAT III 1,000 V / 750 V
- Measurement of alternating current up to 1,000 A
- Measurement of direct current up to 1,000 A
- Measurement of AC voltage up to 750 V
- Measurement of DC voltage up to 1,000 V
- Resistance measurement
- Continuity and diode test
- Duty cycle measurement
- Frequency measurement
- Polarity indicator
- Overload protection
- Automatic and manual range selection
- Hold function
- Backlit display
- Bar graph indicator
- Suitable for line diameters of up to 38 mm
- Automatic switch-off
- Battery status indication
- Integrated LED lamp



### BE47 Digital multimeter

- Robust multifunction measuring meter with protective rubber holster
- CAT II 600 V, CAT III 300 V
- Diode test
- Battery test (9 V, 1.5 V)
- Acoustic continuity test
- Battery status indicator



### BE49 Digital multimeter

- Digital multifunction measuring meter with seven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Hold function
- Backlit display
- Automatic switch-off



### BE50 Digital multimeter

- Digital multifunction measuring meter with eleven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 1,000 V / CAT IV 600 V
- Impact-proof housing
- IP67 type of protection – dust and water-proof
- Function for non-contact voltage detection
- Insulation protection class II for measuring device and measuring lines
- Temperature measurement with type K contact sensor
- Hold function
- Backlit display
- Automatic switch-off



MultiMeasure Mobile ready



### BE52 Digital TRMS multimeter

- Digital multifunction measuring meter with ten measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Hold function
- Compatible with the MultiMeasure Mobile app (Bluetooth)
- Backlit display
- Automatic switch-off



MultiMeasure Mobile ready








### BE60 Digital TRMS multimeter with thermal imaging camera

- Digital multifunction measuring meter with eleven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V / CAT IV 300 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Temperature measurement with integrated thermal imaging camera
- Hold function
- Compatible with the MultiMeasure Mobile app (Bluetooth)
- Backlit display
- Automatic switch-off



Overview:  
Voltage detectors /  
Voltage testers

					
Technical data	BE14	BE15	BE16	BE17	BE20
Article number	3.510.205.214	3.510.205.216	3.510.205.217	3.510.205.227	3.510.205.230
Voltage indication	Single-colour LED	Single-colour LED	Single-colour LED	LED bargraph	LED bargraph
Test type	Non-contact	Non-contact	Non-contact	Bipolar contact measurement	Bipolar contact measurement
Measuring range	$U_{AC}$ 200 V up to 1,000 V	$U_{AC}$ 24 V up to 1,000 V $U_{AC}$ 200 V up to 1,000 V	$U_{AC}$ 5 V up to 1,000 V	$U_{DC}$ 12 V up to 400 V $U_{AC}$ 12 V up to 400 V	$U_{DC}$ 12 V up to 690 V $U_{AC}$ 12 V up to 400 V
Measuring circuit category	CAT III (1,000 V) CAT IV (600 V)	CAT III (1,000 V) CAT IV (600 V)	CAT IV (1,000V)	CAT III (400 V)	CAT III (600 V)
Internal resistance	–	–	–	300 k $\Omega$ / 25 k $\Omega$	300 k $\Omega$
Conformity	EN 61326, EN 61010-1, EN 61010-2-031, Degree of pollution 2	EN 61326, EN 61010-1, EN 61010-2-033, Degree of pollution 2	EN 61610-1:2010, EN 61610-2-033:2012, EN 61326-1:2013, EN 61326-2-2:2013, Degree of pollution 2	IEC 61243-3	EN 61326, EN 61010-1, EN 61010-2-031
Type of protection	–	–	–	IP64	IP64
Power supply	2 x 1.5 V, AAA	2 x 1.5 V, AAA	2 x 1.5 V, AAA	Via measuring voltage	2 x 1.5 V, AAA
Dimensions	176 mm x 26 mm x 26 mm	158 mm x 21 mm x 25 mm	154 mm x 32 mm x 28 mm	240 mm x 26 mm x 45 mm	240 mm x 40 mm x 78 mm
Weight	48 g	48 g	50 g	130 g	237 g
Functions	BE14	BE15	BE16	BE17	BE20
MultiMeasure Mobile App necessary	–	–	–	–	–
MultiMeasure Mobile App compatible	–	–	–	–	–
Non-contact AC voltage detection (without galvanic contact)	■	■	■	–	–
Automatic detection of DC and AC voltage	–	–	–	■	■
Automatic switch-on	–	–	–	■	–
Polarity test	–	–	–	■	■
Acoustic continuity check	–	–	–	–	■
Visual continuity check	–	–	–	–	■
RCD test (FI)	–	–	–	■	–
Low ohmic test	–	–	–	■	–
Phase sequence indicator	–	–	–	–	■
Unipolar phase testing	–	–	–	–	■
Overvoltage protection	–	–	–	■	–
Acoustic alarm	■	■	■	–	■
Visual alarm	■	■	■	–	■
Integrated torch	■	■	■	–	■
Scope of delivery	BE14	BE15	BE16	BE17	BE20
Battery(-ies)	–	–	–	–	–
Measuring tip adapter (4 mm)	–	–	–	■	■








## Overview: Clamp meters



Technical data		BE38	BE40	BE42	BE44
Article number		3.510.205.239	3.510.205.240	3.510.205.242	3.510.205.244
Measuring range (Accuracy)	Voltage	$U_{DC}$ 0 V up to 300 V, $U_{AC}$ 0 V up to 300 V (UDC $\pm 1\%$ , $U_{AC} \pm 1.2\%$ )	$U_{DC}$ 0 V up to 600 V, $U_{AC}$ 0 V up to 600 V ( $U_{DC} \pm 0.8\%$ , $U_{AC} \pm 0.8\%$ )	$U_{DC}$ 0.2 V up to 600 V (0.2 V $\pm 0.8\%$ , 2 V/20 V/200 V $\pm 1.5\%$ , 600 V $\pm 2\%$ ), $U_{AC}$ 2 V up to 600 V (2 V/20 V/200 V $\pm 1.8\%$ , 600 V $\pm 2.5\%$ )	$U_{DC}$ 6 V up to 1,000 V (6 V/60 V/600 V $\pm 0.8\%$ , 1,000 V $\pm 1\%$ ), $U_{AC}$ 6 V up to 750 V (6 V $\pm 0.8\%$ , 60 V/600 V/750 V $\pm 1.2\%$ )
	Current	$I_{AC}$ 0 A up to 400 A ( $I_{AC} \pm 3\%$ )	$I_{AC}$ 0 A up to 1,000 A ( $I_{AC} \pm 3\%$ )	$I_{AC}$ 2 A up to 400 A (2 A/20 A/200 A $\pm 2.5\%$ , 400 A $\pm 3\%$ )	$I_{DC}$ 60 A up to 1,000 A ( $\pm 3\%$ ), $I_{AC}$ 60 A up to 1,000 A ( $\pm 2.5\%$ )
	Resistance	0 $\Omega$ up to 200 k $\Omega$ ( $\pm 1.2\%$ )	0 $\Omega$ up to 20 M $\Omega$ ( $\pm 1\%$ )	200 $\Omega$ up to 20 M $\Omega$ (200 $\Omega$ $\pm 1\%$ , 2 k $\Omega$ /20 k $\Omega$ $\pm 1.5\%$ , 2 M $\Omega$ $\pm 2.5\%$ , 20 M $\Omega$ $\pm 3.5\%$ )	600 $\Omega$ up to 60 M $\Omega$ (600 $\Omega$ /6 k $\Omega$ /60 k $\Omega$ /600 k $\Omega$ $\pm 1\%$ , 6 M $\Omega$ $\pm 1.5\%$ , 60 M $\Omega$ $\pm 3\%$ )
	Frequency (pliers)	–	–	–	40 Hz up to 999.9 Hz ( $\pm 1\%$ )
	Frequency (with test probes)	–	–	–	9.999 Hz up to 9.999 MHz (9.99 Hz/99.99 Hz/999.9 Hz/ 9.999 kHz/99.99 kHz/999.9 kHz $\pm 1\%$ )
	Duty cycle	–	–	–	5 % up to 95 % ( $\pm 2\%$ )
	Capacity	–	–	–	40 nF up to 4,000 $\mu$ F (40 nF/400 nF/4 $\mu$ F/40 $\mu$ F/400 $\mu$ F $\pm 5\%$ )
Measuring circuit category		CAT III (300 V)	CAT III (600 V)	CAT III (600 V)	CAT III (1,000 V), CAT IV (600 V)
Conformity		EN 61326	EN 61326, EN 61010-1, EN 61010-2-031, Degree of pollution 2	EN 61010-1, Degree of pollution 2	EN 61010-1, Degree of pollution 2
Type of protection		IP20	–	IP40	IP20
Power supply		3 x 3 V, CR2032	2 x 1.5 V, AAA	2 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		148 mm x 27 mm x 60 mm	229 mm x 48 mm x 80 mm	210 mm x 75 mm x 35 mm	243 mm x 87 mm x 44 mm
Weight		155 g	303 g	285 g	372 g
Functions		BE38	BE40	BE42	BE44
MultiMeasure Mobile App necessary		–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–
Maximum value display		–	■	■	–
Hold function		■	■	■	■
Automatic measuring range selection		–	■	■	■
Indication when exceeding the measuring range		–	–	■	■
Direct current		–	–	–	■
Alternating current		–	■	■	■
DC voltage		–	■	■	■
AC voltage		–	■	■	■
Capacity		–	–	–	■
Frequency		–	–	–	■
Duty cycle		–	–	–	■
Resistance		–	■	■	■
Diode test		■	■	■	■
Continuity check		■	■	■	■
Backlit display		–	■	■	■
Integrated LED lamp		–	–	■	■
Automatic switch-off		–	■	■	■
Battery status indication		■	–	■	■
Scope of delivery		BE38	BE40	BE42	BE44
Battery(-ies)		–	–	–	–
Safety measuring lines with test probes		■	■	■	■
Bag/Holster		–	■	–	■

Overview:  
**Digital multimeters**

						
<b>Technical data</b>		<b>BE47</b>	<b>BE49</b>	<b>BE50</b>	<b>BE52</b>	<b>BE60</b>
Article number		3.510.205.247	3.510.205.249	3.510.205.250	3.510.205.252	3.510.205.260
Measuring range (Accuracy)	Voltage	$U_{DC}$ 0.001 V up to 600 V, $U_{AC}$ 0.1 V up to 600 V ( $U_{DC} \pm 1\%$ , $U_{AC} \pm 1.2\%$ )	$U_{DC}$ 0.2 V up to 600 V (0.2 V $\pm 0.8\%$ , 2 V/20 V/200 V $\pm 1.5\%$ , 600 V $\pm 2\%$ ), $U_{AC}$ 0.2 V up to 600 V (2 V/20 V/200 V $\pm 1.8\%$ , 600 V $\pm 2.5\%$ )	$U_{DC}$ 0.1 V up to 1,000 V, $U_{AC}$ 0.1 mV up to 1,000 V ( $U_{DC} \pm 1.2\%$ , $U_{AC} \pm 2\%$ )	$U_{DC}$ 0.4 V up to 600 V (0.4 V/4 V/40 V/400 V/ 600 V $\pm 1\%$ , $U_{AC}$ 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 1.2\%$ )	$U_{DC}$ 0.4 V up to 600 V (0.4 V $\pm 0.8\%$ , 4 V/40 V $\pm 0.5\%$ , 400 V/600 V $\pm 0.8\%$ )
	Voltage TRMS	–	–	–	–	$U_{AC}$ 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 1\%$ )
	AC voltage + DC voltage TRMS	–	–	–	–	$U_{DC/AC}$ 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 2.5\%$ )
	Current	$I_{DC}$ 0.01 A up to 10 A ( $I_{DC} \pm 2.0\%$ )	$I_{DC}$ 200 $\mu$ A up to 10 A (200 $\mu$ A $\pm 1\%$ , 2 mA/20 mA/200 mA $\pm 1.5\%$ , 10 A $\pm 2.5\%$ ), $I_{AC}$ 0.02 A up to 10 A (0.02 A $\pm 1.5\%$ , 2 mA/20 mA/200 mA $\pm 2\%$ , 10 A $\pm 3\%$ )	$I_{DC}$ 0.0001 A up to 10 A, $I_{AC}$ 0 A up to 10 A ( $I_{DC} \pm 1.5\%$ , $I_{AC} \pm 2\%$ )	$I_{DC}$ 400 $\mu$ A up to 10 A (400 $\mu$ A $\pm 1\%$ , 4 mA/40 mA/400 mA/ 4 A/10 A $\pm 1.2\%$ ), $I_{AC}$ 400 $\mu$ A up to 10 A (400 $\mu$ A/4000 $\mu$ A/ 0.04 A/0.4 A $\pm 1.2\%$ , 4 A/10 A $\pm 1.8\%$ )	$I_{DC}$ 400 $\mu$ A up to 10 A (400 $\mu$ A/4 mA/ 40 mA/400 mA $\pm 1.5\%$ , 10 A $\pm 2\%$ )
	Current TRMS	–	–	–	–	$I_{AC}$ 400 $\mu$ A up to 10 A (400 $\mu$ A/4 mA/ 40 mA/400 mA $\pm 2\%$ , 10 A $\pm 2.5\%$ )
	Capacity	–	–	10 pF up to 100 $\mu$ F ( $\pm 3\%$ )	40 nF up to 4000 $\mu$ F (40 nF/400 nF $\pm 4.5\%$ , 4 $\mu$ F/40 $\mu$ F/400 $\mu$ F $\pm 3\%$ , 4000 $\mu$ F $\pm 5\%$ )	40 nF up to 4000 $\mu$ F (40 nF/400 nF/4 $\mu$ F/ 40 $\mu$ F/400 $\mu$ F $\pm 3\%$ , 4000 $\mu$ F $\pm 3.5\%$ )
	Resistance	0 $\Omega$ up to 2,000 k $\Omega$ ( $\pm 0.8\%$ )	200 $\Omega$ up to 20 M $\Omega$ (200 $\Omega$ $\pm 1\%$ , 2 k $\Omega$ /20 k $\Omega$ /200 k $\Omega$ $\pm 1.5\%$ , 2 M $\Omega$ $\pm 2.5\%$ , 20 M $\Omega$ $\pm 3.5\%$ )	0.1 $\Omega$ up to 10 M $\Omega$ ( $\pm 1.2\%$ )	400 $\Omega$ up to 40 M $\Omega$ (400 $\Omega$ /4 k $\Omega$ /40 k $\Omega$ / 400 k $\Omega$ / 4 M $\Omega$ $\pm 1.5\%$ , 40 M $\Omega$ $\pm 2.5\%$ )	400 $\Omega$ up to 40 M $\Omega$ (400 $\Omega$ /4 k $\Omega$ /40 k $\Omega$ / 400 k $\Omega$ / 4 M $\Omega$ $\pm 1\%$ , 40 M $\Omega$ $\pm 2.5\%$ )
Thermal imaging camera	Frequency	–	–	1 mHz - 10 MHz ( $\pm 1.2\%$ )	10 Hz - 10 KHz ( $\pm 1.2\%$ )	–
	Frequency (AC mains voltage)	–	–	–	–	40 Hz - 10 KHz ( $\pm 0.5\%$ )
	Frequency (electronic circuits)	–	–	–	–	40 Hz - 10 MHz ( $\pm 0.2\%$ )
	Temperature	–	–	-20 °C up to 760 °C ( $\pm 3.0\%$ ; $\pm 5\%$ )	–	-20 °C up to 260 °C ( $\pm 3.0\%$ ; $\pm 3\%$ )
	Duty cycle	–	–	0.1 % up to 99.9 % ( $\pm 1.2\%$ )	0.1 % up to 99.9 % ( $\pm 1.2\%$ )	10 % up to 90 % ( $\pm 1.2\%$ )
	Field of View	–	–	–	–	21° x 21° (FoV)
	Minimum focal length	–	–	–	–	0.5 m
	Spatial resolution (IFOV)	–	–	–	–	4.53 mrad
	IR resolution	–	–	–	–	80 x 80 px
	Thermal sensitivity	–	–	–	–	<0.1 °C @ 30 °C
	NETD	–	–	–	–	100 mk
Refresh rate	–	–	–	–	50 Hz	
Focus	–	–	–	–	fix	
Focal length	–	–	–	–	7.5 mm	
Focal Plane Array	–	–	–	–	Microbolometer, uncooled	
Spectral range	–	–	–	–	8 - 14 $\mu$ m	
Measuring circuit category		CAT II (600 V), CAT III (300 V)	CAT III (600 V)	CAT III (1,000 V), CAT IV (600 V)	CAT III (600 V)	CAT IV (600 V)
Safety		EN 61010-1	EN 61010-1	EN 61010-1	EN 61010-1	EN 61010-1
Type of protection		IP50	IP40	IP67	IP40	IP40
Data interface		–	–	–	Bluetooth 4.0	Bluetooth 4.0
Power supply		1 x 9 V block battery	2 x 1.5 V, AAA	1 x 9 V block battery	2 x 1.5 V, AAA	1 x 3.7 V Li-Ion, 1,400 mAh
Dimensions		122 mm x 40 mm x 61 mm	121 mm x 35 mm x 65 mm	182 mm x 55 mm x 82 mm	125 mm x 45 mm x 65 mm	150 mm x 46 mm x 70 mm
Weight		260 g	171 g	320 g	205 g	285 g
Functions		BE47	BE49	BE50	BE52	BE60
MultiMeasure Mobile App necessary / compatible		–/–	–/–	–/–	–/■	–/■
Polarity indicator		–	–	–	■	■
Minimum value display / Maximum value display		–/–	–/■	–/–	■/■	■/■
Hold function		■	■	■	■	■
Automatic measuring range selection		–	■	■	■	■
Indication when exceeding the measuring range		–	■	–	–	■
Non-contact detection of AC voltage		–	–	■	–	–
Diode test / Continuity check		■	■	■	■	■
Type K contact temperature measurement		–	–	■	–	–
Visual alarm		–	–	■	–	–
LC-Display / Backlit display / TFT colour display		■/–	■/■/–	■/■/–	■/■/–	■/■/■
Automatic switch-off		–	■	■	■	■
Battery status indication		■	–	■	–	■
Battery test (9 V, 1.5 V)		■	–	–	–	–
Integrated torch		–	–	–	■	–
Scope of delivery		BE47	BE49	BE50	BE52	BE60
Battery(-ies) / Li-Ion battery (integrated)		■/–	–/–	–/–	–/–	–/■
Safety measuring lines with test probes		■	■	■	■	■
Contact temperature sensor type K		–	–	■	–	–
Micro-USB cable		–	–	–	–	–
Transport case		–	–	–	–	■
Optional accessories		BE47	BE49	BE50	BE52	BE60
USB power adapter		–	–	–	–	6.300.000.003



### BO21 Videoscope

- Immediately ready for use – just switch it on and get started
- Robust videoscope probe with fixed-focus lens and waterproof camera head (IP67 type of protection)
- 2.4-inch LCD colour screen
- High-intensity quad LED illumination with dimmer
- 180° image rotation function
- Bendable, inherently stable gooseneck probe
- Mobile, battery-supplied operation
- Automatic switch-off
- Inclusive of side-view mirror, hook and magnet attachment



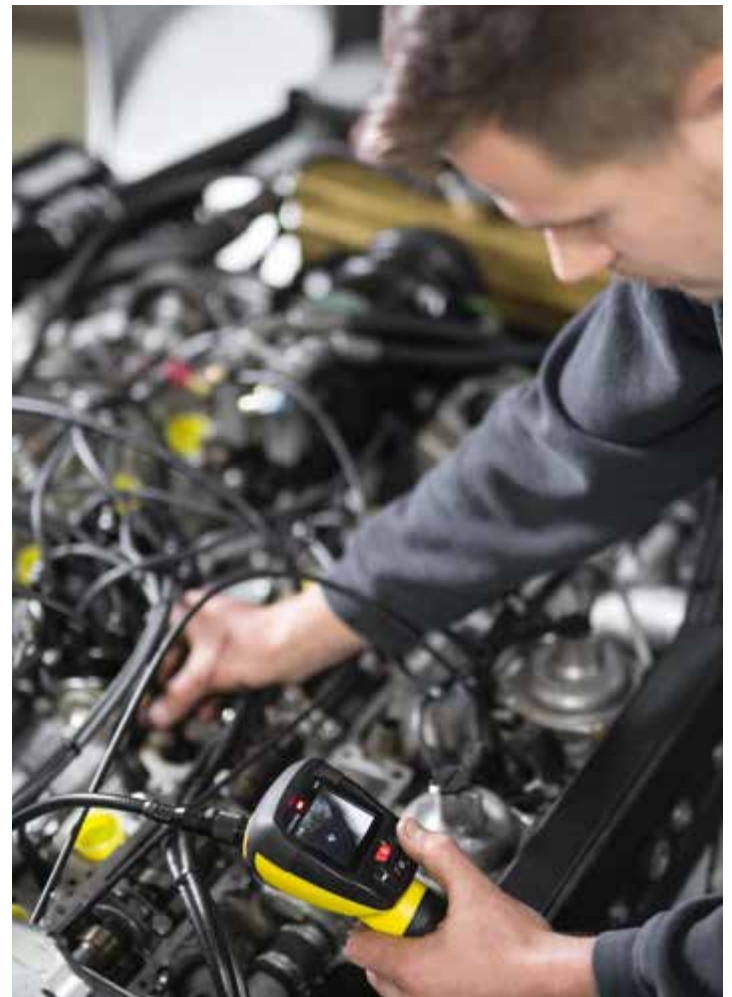
### BO22 Mini videoscope

- Bendable, semi-rigid gooseneck probe of 95 cm length (Ø 5.5 mm)
- Waterproof according to protection type IP67 (gooseneck probe and camera head) for underwater application
- 3 inch digital LCD colour display
- Still image, photo and video modes
- High-quality camera with a resolution of 1280 x 720 px
- Recording photos and videos – with inserted microSD card, store up to 32 GB
- 6x LED light at the camera head with 4 brightness levels
- LED light on the housing (torch function)
- Compact probe cable winding
- Flip function for a 180° image rotation
- 3x digital zoom
- 1 to 30 cm depth of field, 65° field of vision
- Including 3-piece accessory kit with 45° mirror, hook and magnet attachments



### BO26 Videoscope

- Light, easy-to-handle compact device with semi-rigid gooseneck probe
- Memory function to take individual photographs or record complete video sequences
- Robust videoscope probe with fixed-focus lens and waterproof camera head (IP67 type of protection)
- 3.5-inch LCD colour screen
- High-intensity quad LED illumination with dimmer
- Intuitive user navigation through multilingual on-screen menu
- Multiple image rotation function
- Automatic switch-off
- Inclusive of side-view mirror, hook and magnet attachment



Overview:  
Videoscopes



Technical data	B021	B022	B026
Article number	3.510.009.121	3.510.009.122	3.510.009.126
Display	TFT, colour, 2.4 inch LCD (480 x 234 pixels)	TFT, colour, 3 inch LCD (640 x 480 pixels)	TFT, colour, 3.5 inch LCD (320 x 240 pixels)
Probe / Camera head	Ø = 8 mm / 17 mm, L = 1,000 mm	Ø = 5,5 mm / 6 mm, L = 950 mm	Ø = 8 mm / 17 mm, L = 1,000 mm
Focussing range	50 mm up to 150 mm	10 mm up to 300 mm	50 mm up to 150 mm
Type of illumination	Quad LED	Six-fold LED	Quad LED
Zoom	2x	3x	3x
Type of protection	IP67	IP67	IP67
Operating temperature	-10 °C up to 50 °C	-10 °C up to 60 °C	0 °C up to 50 °C
Power supply	4 x 1.5 V, AA	4 x 1.5 V, AA	1 x 3.7 V / 1,800 mA Li-Ion battery integrated
Dimensions	207 mm x 60 mm x 80 mm	162 mm x 85 mm x 35 mm	255 mm x 85 mm x 110 mm
Weight	800 g	385 g	840 g
Functions	B021	B022	B026
MultiMeasure Mobile App necessary	–	–	–
MultiMeasure Mobile App compatible	–	–	–
Zoom function	2x	3x	3x
Image rotation function	180°	180°	4x90°
Brightness control	■	■	■
Bendable, inherently stable gooseneck probe	■	■	■
Fixed focus lens	■	–	■
Video recording	–	■	■
Photo recording	–	■	■
Still image	–	■	–
Audio recording	–	–	■
Photo memory with date and time	–	■	■
Shooting and saving individual images and complete video sequences	–	■	■
Multilingual on-screen menu	–	–	■
Torch function	–	■	–
Automatic switch-off	■	–	■
Battery status indication	–	■	–
Scope of delivery	B021	B022	B026
Battery(-ies)	–	–	–
3.7 V Li-Ion battery	–	–	■
Mirror attachment	■	■	■
Hook attachment	■	■	■
Magnetic adapter	■	■	■
RCA cable	–	–	■
Power adapter	–	–	■
USB cable	–	–	■
Transport case	–	–	■
Transport bag	–	■	–
Optional accessories	B021	B022	B026
B021 E 17,0-1000 Extension	3.510.009.270	–	–
B021 P 17,0-1000 Probe	3.510.009.269	–	–
B021 P 4,5-1000 Probe	3.510.009.210	–	–
B021 P 4,5-2000 Probe	3.510.009.212	–	–
B021 P 4,5-3000 Probe	3.510.009.220	–	–
B021 P 6,0-1000 Probe	3.510.009.230	–	–
B021 P 6,0-3000 Probe	3.510.009.240	–	–
B021 P 9,0-1000 Probe	3.510.009.250	–	–
B021 P 9,0-3000 Probe	3.510.009.260	–	–
B026 E 17,0-1000 Extension	–	–	3.510.009.271
B026 P 17,0-1000 Probe	–	–	3.510.009.268
B026 P 4,5-1000 Probe	–	–	3.510.009.215
B026 P 4,5-2000 Probe	–	–	3.510.009.211
B026 P 4,5-3000 Probe	–	–	3.510.009.221
B026 P 6,0-1000 Probe	–	–	3.510.009.231
B026 P 6,0-3000 Probe	–	–	3.510.009.241
B026 P 9,0-1000 Probe	–	–	3.510.009.251
B026 P 9,0-4000 Probe	–	–	3.510.009.261

# Trotec measuring devices WP-Series with appSensor

Measurement data management with wireless connection for mobile devices



## One app, plenty of measuring devices, countless possibilities MultiMeasure Mobile for appSensors

Trotec appSensors are compact precision measuring devices with high-quality sensors. Designed in a way to save space and energy, they have neither display unit nor evaluation electronics – data analysis and operation are realized almost entirely by means of the smartphone.

Combined with the free app MultiMeasure Mobile this measuring device concept offers many compelling advantages. All appSensors are automatically identified by the app and can be connected quickly and easily to a mobile terminal device using wireless technology.

For individual or non-stop measuring operations, MultiMeasure Mobile provides manifold display options for the indication of measured values: numerical, in form of a chart or as a combination of several measurement parameters.

Using the integrated customer management function all of the measured data can be assigned to projects and clients via the app. The built-in report function further facilitates a quick on-site documentation. All data can be shared with customers or colleagues and even be synchronized via the MultiMeasure Cloud using an existing PC installation of MultiMeasure Studio Professional.



In addition to typical professional analysis options and the smart measurement data linkage of the parallel-connected appSensors the app MultiMeasure Mobile offers a still greater number of innovative functions such as matrix measurements that are linked to photos: Just take a photo, mark the position of the measuring point on it, carry out the measurement and then save it all.

All measuring points and data remain linked to the photo for later analysis and can also be prepared as matrix representation e.g. to indicate the distribution of moisture or heat.

### A few practical benefits

- Development, design, production: 100 % Trotec
- Professional measuring system consisting of individual appSensors centrally controlled via app
- MultiMeasure Mobile – free app for the operation, evaluation and measured value indication of all connected measuring devices
- appSensors – compact, professional measuring devices without display but with high-quality measuring sensors and smartphone control
- The appSensor product range comprises various measuring devices for different measuring applications and is permanently enhanced
- Analysis tools, report generating function and customer management are already integrated in the app ready for use
- Simple data export option, also convenient measurement data synchronization via cloud to a PC with installed MultiMeasure Studio Professional

### MultiMeasure Mobile – free download

The Trotec app MultiMeasure Mobile turns your mobile terminal device into a multifunctional measurement data management tool.

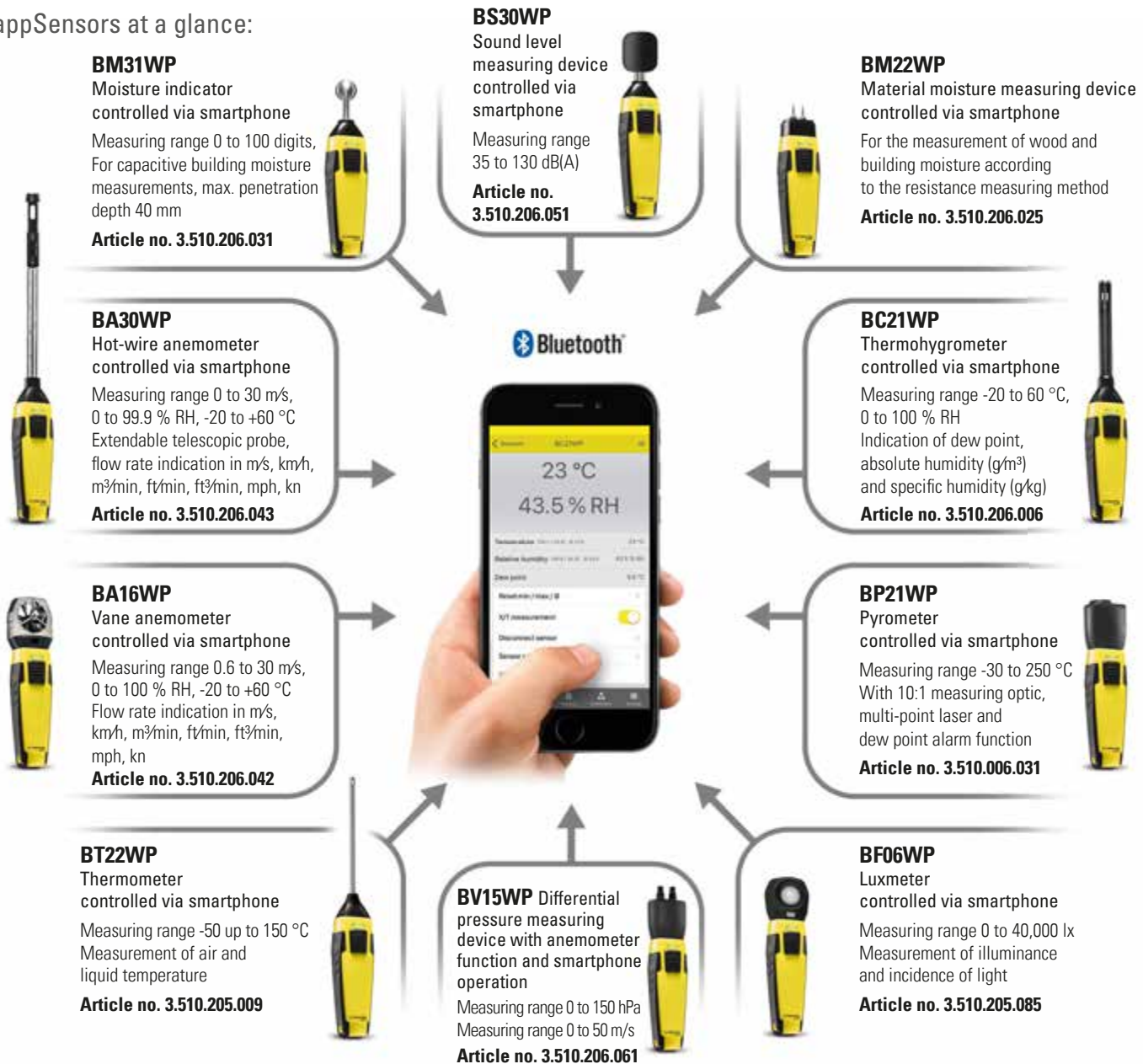
The operation is as simple and intuitive as the installation: Simply download MultiMeasure Mobile for free onto your mobile device – it is available for iOS and Android.





turn your smartphone into a multifunctional measuring station

All appSensors at a glance:



## MultiMeasure Mobile – all of the app's advantages at one glance:

- Automatic identification of appSensors
- Simultaneous operation of several appSensors
- Quick and intuitive navigation
- Numerical measured value indication or else in form of a chart / matrix
- Integrated report function for the documentation directly on site
- PDA function for the organization of measurement data and documents
- Customer management already integrated
- Manifold analysis options directly in the app
- Storage of measured values linked to photos
- Matrix measurements, also linked to photos
- Complete data synchronization with MultiMeasure Professional via cloud

Function for the automatic synchronization via the MultiMeasure Cloud



or CSV-export



It is not necessary to install MultiMeasure Studio Professional on a PC in or to use the appSensors. All you need for the application of the measuring devices is a mobile terminal device with MultiMeasure Mobile.

However, as a user of the Studio version you'll further benefit from the smart interaction of the two applications. All values and measurement series incl. photos and the corresponding customer data can be imported to MultiMeasure Studio Professional from the app and then be further processed and archived there!

## All of Trotec's appSensors offer the following advantages:



- Professional sensors for precise measuring results
- Foolproof connection of the app via Bluetooth with visual connection confirmation by means of an LED at the device
- Wireless control of the measuring devices and display of data via app
- Simple measured value detection even at remote locations since the values do not have to be read directly from the measuring device
- Additional determination and indication of minimum, maximum and average values
- Hold, logging and alarm functions
- Practice-optimized German industrial design – protected design patent

# EFFECTIVE.

## CARE AND PROTECTION BY TROTEC.



### Descaler

**Reliable Descaling with colour indication**

- Universally applicable: air conditioners, humidifiers, coffee machines, espresso machines, and much more.
- 100% biodegradable
- Suitable for appliances by all manufacturers
- Safety-lock / child lock

### LiQVit

**Hygienic product for humidifiers**

- Ensures hygienically perfect evaporation water in the humidifier
- Prevents germination, algae, mould and bacteria
- Lime and mineral deposits are reduced
- Improves evaporation performance

### SecoSan

**Silver-ion sticks for tap water hygiene**

- Active system based on bacteria inhibitory property of silver
- Completely food-safe
- Objectively, no change in taste detectable (laboratory tested)
- Effective for 6 months even with a daily change of water

# IT'S WORTH THE EFFORT. INDUSTRIAL MACHINES BY TROTEC.



## We create the best conditions for your success.

As a manufacturer, Trotec also provides industry, commercial and private users with innovative product solutions for air treatment. In all sizes and performance classes. And in order to offer you the best service possible we are on the scene for you with our subsidiaries all over the world.

- Air Dehumidification
- Air Humidification
- Heating
- Ventilation
- Air Conditioning
- Air Cleaning
- Drying
- Odour Elimination



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### **Loss of control? Not with Trotec.**

There is nothing you can not measure. Not with Trotec. Do not leave your success to chance, but to the measuring devices of the ComfortControl Series.

Whether at home, in the office, at your hobby or in the workshop. A perfect outcome is often determined by a tad more accuracy.

The right partner for every measurement. In your hand. Easy to use. And always precise.

**Measuring is success.  
Trotec ComfortControl.**