BlueLine®

CAPBs®

Modular system

Contents

Universal. Accurate. Flexible.

Practical modularity with the CAPBs® module
and the CAPBs® device
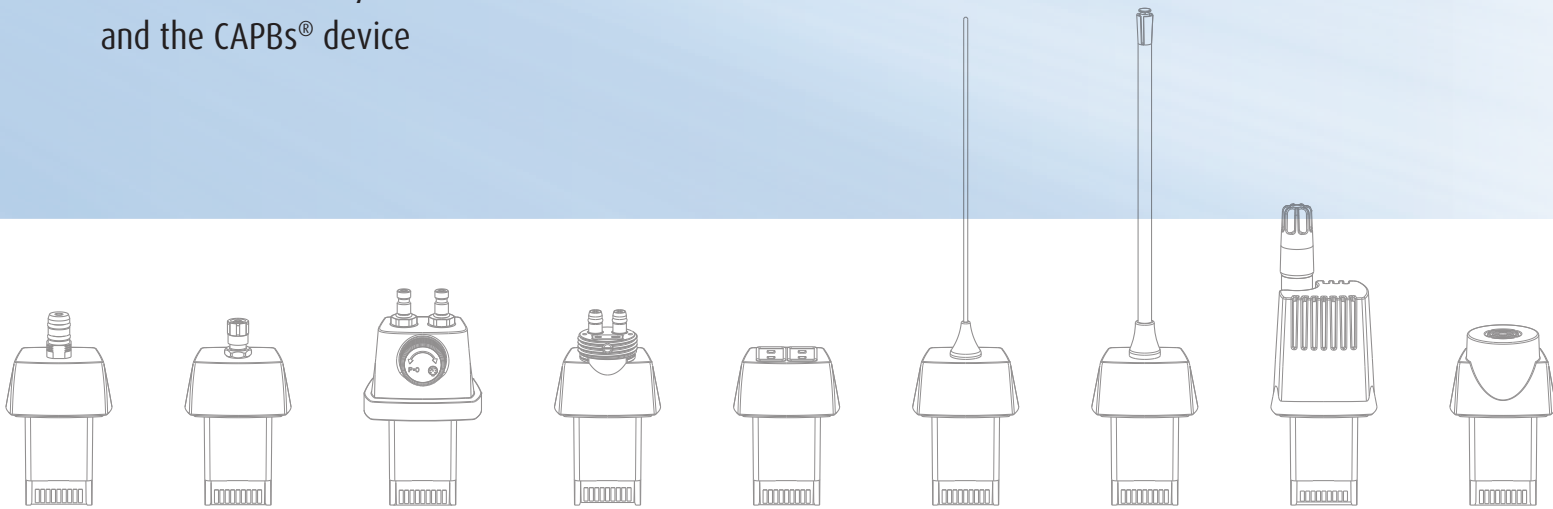
The CAPBs® constitute a modular system consisting of the universal handles CAPBs® module or CAPBs® device and an application-specific sensor unit CAPBs® sens for a wide variety of measured variables such as pressure, temperature, air quality or water quality. According to the „plug & play" principle, the sensor units are inserted into the handles, thus combining them into a complete ready-to-use measuring instrument. The measured values can be transferred via the free EuroSoft® live app on a tablet or smartphone. In this way, for example, all the tasks of a heating system engineer or a chimney sweeper can be performed with a single measuring instrument.

Both the CAPBs® module and the CAPBs® device are equipped with magnets and unlock buttons for exchanging the CAPBs® sens at the rear side. The snap-in mechanism on top respectively on bottom of the CAPBs® device is standardised for all CAPBs® sens. The multicolour LED indicates the status of the CAPBs® measuring units by means of different colours and flashing frequencies. Furthermore the handles contain a beeper which indicates excess concentrations or limit values by means of audible signals with different frequencies.

CAPBs® module

CAPBs® device

CAPBs® online
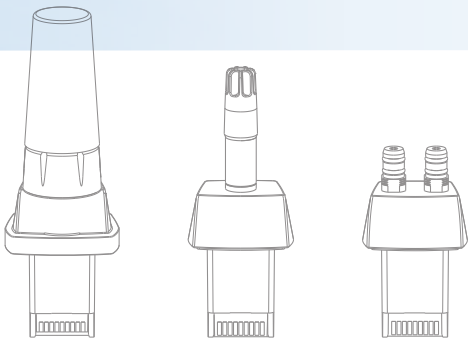
CAPBs® module

Base handle

Description

Universal base handle for all CAPBs® sensor units. Ergonomic handle with three magnets and battery compartment at the rear of the housing. Multicolour LED and multi-purpose key on the front. With Bluetooth® to transfer the sensor values and integrated beeper for audible signals.

Technical specifications

Dimensions H x W x D	140 x 45 x 39 mm
Data interface	Bluetooth® (range: 50 m)
Power supply	2x AAA alkaline batteries or 2x AAA rechargeable batteries
Part no.	M091 00 00 17

CAPBs® device

Display handle

Description

Modular display unit for all CAPBs® sens. The sensors can either be installed on top or bottom side. The 2.4" screen shows directly the measured values of the installed CAPBs® sensor. Via the CAPBs® device QR code generator or Bluetooth® the values could be transferred to the EuroSoft® live app to create professional measurement reports. The instrument is equipped with three navigation keys, magnets at the rear of the housing and a integrated beeper for audible signals.

Technical specifications

Dimensions H x W x D	155 x 62 x 42 mm
Display	2.4" TFT
Data interface	Bluetooth® (range: 50 m), QR code
Power supply	Rechargeable lithium-ion battery
Mains operation	USB mains unit
Part no.	M093 00 00 10

CAPBs® interface basic (IF10)

for CAPBs® device

Description
Interface unit for charging, power supply and firmware update of the CAPBs® device.

Technical specifications

Dimensions H x W x D	59 x 42 x 35 mm
Connection	USB-C
Part no.	M094 00 39 10

CAPBs® interface logger (IF20)

for CAPBs® device

Description
Interface unit for charging, power supply and firmware update of the CAPBs® device. The CAPBs® interface logger activates the datalogger functions on the CAPBs® device and in the EuroSoft® live Windows software. A practical feature is the possibility to configure log profiles with different start and end conditions on the internal memory of the logger unit.

internal
256 MB

Technical specifications

Dimensions H x W x D	59 x 42 x 35 mm
Connection	USB-C
Memory	256 MB (600,000 readings)
Part no.	M094 00 39 11

Accessories CAPBs® module & device			
Article	module	device	Part no.
Charging and data cable USB-A on USB-C, length: 1 m		●	524697
Power supply unit USA / EURO / AU / UK, 5W		●	523493
Charger inclusive 2x AAA rechargeable batteries	●		524215
2x AAA rechargeable batteries NiMH 1.2 V/800 mAh	●		524216
Wall mount for CAPBs® device, including screw set and padlock		●	511263
Box for CAPBs® device with inlay		●	524740
i-Boxx with inlay	●	●	500905
Water protection cover	●		524259

CAPBs® device basic set

P00052

Application
The CAPBs® device set including the CAPBs® interface basic is a display unit for all CAPBs® sens. Various CAPBs® sens allows to measure pressure, differential pressure, flow, temperature, humidity, air quality, water quality, indoor air quality as well as detect gas leakage.

Scope of delivery
- CAPBs® device with cover cap
- CAPBs® interface basic
- Data cable
- USB mains unit
- Box

Compatibility
For all CAPBs® sens and CAPBs® interface

CAPBs® device logger set

P00100

Application
The CAPBs® device set including the CAPBs® interface logger is a display unit for all CAPBs® sens. Various CAPBs® sens allows to measure pressure, differential pressure, flow, temperature, humidity, air quality, water quality, indoor air quality as well as detect gas leakage. The CAPBs® interface logger activates the data-logger functions on the CAPBs® device.

Scope of delivery
- CAPBs® device with cover cap
- CAPBs® interface logger
- Data cable
- USB mains unit
- Box

Compatibility
For all CAPBs® sens and CAPBs® interface

EuroSoft® live

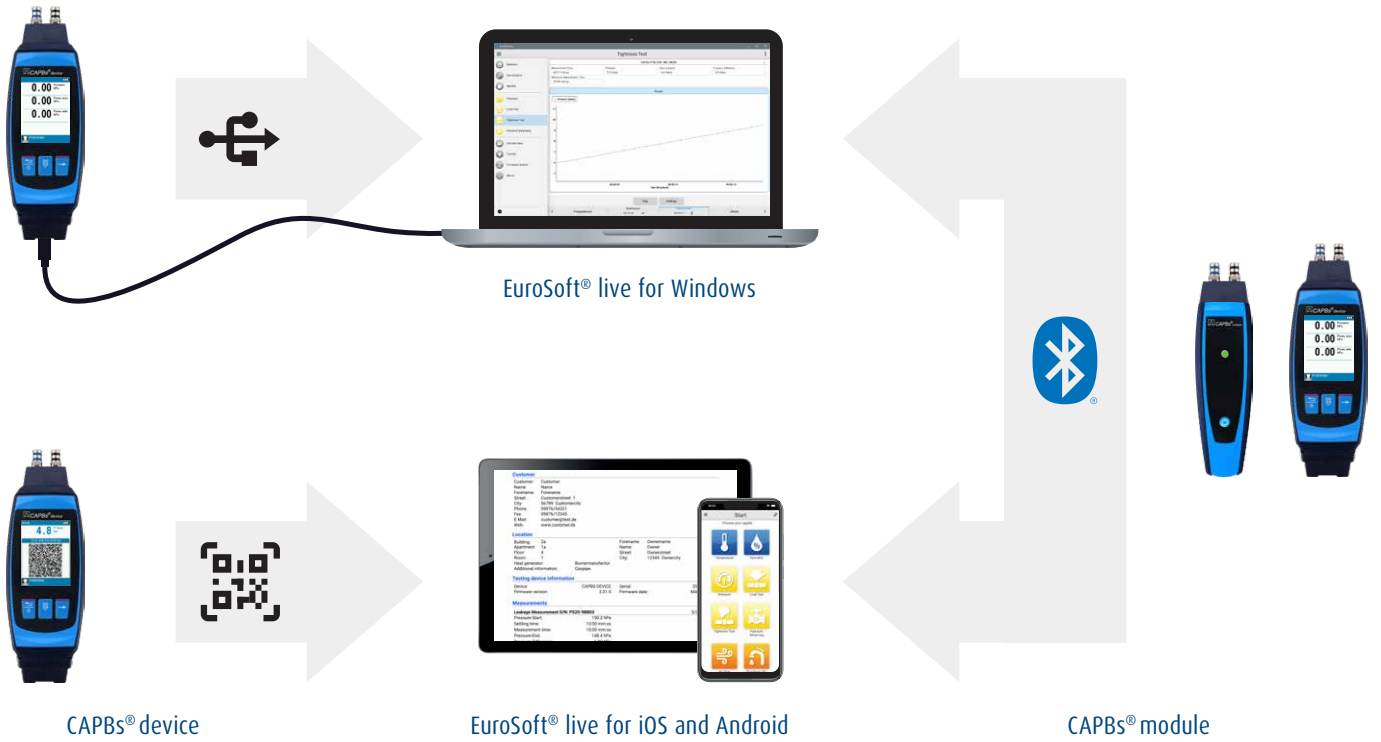## for iOS, Android and Windows

Description

The free EuroSoft® live is available both as an app for mobile devices and as software for Windows PCs. Measured values are transferred quickly and easily via Bluetooth® or QR code. With EuroSoft® live, these can then be conveniently visualized, saved in measurement logs and shared via the usual communication options such as e-mail, WhatsApp, cloud services. Ideal for professional, comprehensive results documentation for customers.

In conjunction with the CAPBs® device incl. CAPBs® interface logger, log processes can be conveniently configured, read out and further processed on the PC. In addition, the software is used for firmware updates.

Download software **Download app**

Application overview		iOS	Android	Windows
CAPBs® module	Live measurement values	●	●	●
	Application-specific and menu-driven programs	●	●	●
	Measurement data displayed in a line diagram	●	●	●
	PDF-Reports with customer data, line diagram and additional information	●	●	●
	Firmware update	●	●	●
	Export measurement data from line diagram in CSV-file	●	●	●
CAPBs® device basic	Live measurement values	●	●	●
	Application-specific and menu-driven programs	●	●	●
	Measurement data displayed in a line diagram	●	●	●
	PDF-Reports with customer data, diagram and additional information	●	●	●
	Firmware update			●
	QR code measurement data transfer	●	●	
CAPBs® device logger	Live measurement values	●	●	●
	Application-specific and menu-driven programs	●	●	●
	Measurement data displayed in a line diagram	●	●	●
	PDF-Reports with customer data, diagram and additional information	●	●	●
	Firmware update			●
	QR code measurement data transfer	●	●	
	Data logger profile configuration			●
	Visualization of data logfiles and creation of logging reports (PDF) or logging files (CSV)			●

EuroSoft® live for Windows

CAPBs® device

EuroSoft® live for iOS and Android

CAPBs® module

CAPBs® sens PS10

Pressure range 20 hPa

Description

Sensor unit for measurement of pressure, vacuum and differential pressure of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Measurement of ultra-fine pressure
- Air flow measurement

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	-20 / +20 hPa	0.5...50 m/s	
Accuracy	±0.003 hPa or 0.5 % RDG ±1 digit	±0.3 m/s	Pitot
Resolution	0.001 hPa	0.1 m/s	
Hose connection	Ø 8 mm		
Part no.	M090 05 01 10		

CAPBs® sens PS20

Pressure range 180 hPa

Description

Sensor unit for measurement of pressure, vacuum and differential pressure of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Check of connection and flow pressure in gas-fired heating systems
- Air flow measurement (* only with CAPBs® module)

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	-180 / +180 hPa	0.5 / 50 m/s*	
Accuracy	±0.03 hPa or 0.5 % RDG ±1 digit	±0.8 m/s*	Pitot
Resolution	0.01 hPa (< 99.99) 0.1 hPa (> 100.0)	0.1 m/s*	
Hose connection	Ø 8 mm		
Part no.	M090 01 01 10		

CAPBs® sens PS22

Pressure range 180 hPa

Description
Sensor unit for measurement of pressure and vacuum of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application
- Check of connection and flow pressure in gas fired heating systems
- Tightness test of gas lines

Technical specifications

Dimensions H x W x D	89 x 42 x 35 mm
Measuring range	180 hPa
Accuracy	±0.03 hPa or 0.5 % RDG ±1 digit
Resolution	0.01 hPa (< 99.99) 0.1 hPa (> 100.0)
Hose connection	Pressure test valve
Part no.	M090 01 34 10

CAPBs® sens PS33

Pressure range 2 bar

Description
Sensor unit for measurement of pressure and vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application
- Leak tightness checks of gas pipes according to TRGI 2018
- Sensor features barometric pressure determination
- Tightness and load test of gas lines, water pipes or other systems
- Extremely accurate and DVGW-compliant measuring results

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm
Measuring range	2 bar
Accuracy	±0.3 hPa or 0.5 % RDG ±1 digit
Resolution	0.1 hPa (< 999.99) 1 hPa (> 1,000)
Hose connection	Ø 8 mm
Part no.	M090 19 29 10

CAPBs® sens PS40 / 41 / 42

Pressure range 6 bar

Description

Sensor unit for measurement of pressure, vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Tightness and load test of gas lines, water pipes or other systems

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	6 bar		
Accuracy	±5 hPa or 0.5 % RDG ±1 digit		
Resolution	0.1 hPa (< 999.99) 1 hPa (> 1,000)		
Hose connection	Ø 8 mm	Ø 3 mm (Festo)	Pressure test valve
Part no.	M090 08 29 10	M090 08 30 10	M090 08 34 10

CAPBs® sens PS60 / 61 / 62

Pressure range 20 bar

Description

Sensor unit for measurement of pressure, vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.
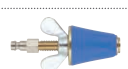
Application

- Tightness and load test of gas lines, water pipes or other systems

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	20 bar		
Accuracy	±5 hPa or 0.5 % RDG ±1 digit		
Resolution	0.1 hPa (< 999.99) 1 hPa (> 1,000)		
Hose connection	Ø 8 mm	Ø 3 mm (Festo)	Pressure test valve
Part no.	M090 10 29 10	M090 10 30 10	M090 10 34 10

Accessories CAPBs® sens PS												
Article	PS10	PS20	PS22	PS33	PS35	PS40	PS41	PS42	PS60	PS61	PS62	Part no.
Connection set for differential pressure measurement	●	●										500237
High pressure hose set D3 to G⅛", 15 bar, length: 1 m							●			●		500234
Hose kit 4Pa test D8/D8, length: 4 m	●											511060
Pressure test valve	●	●		●					●			500670.2
Pumpball with connection hose, length: 0.5 m			●		●	●		●			●	511018
Syringe for test volume, 100 ml, scaling 2 ml					●	●						523174
Connection hose with plug-in nipple DN2.7 and coupling DN5, length: 1 m			●		●	●		●			●	500685
Pitot-pipe 360 mm and connectors 2x D7, tube length: 1.5 m	●	●										500238
Pitot-pipe 460 mm and connectors 2x D7, tube length: 1.5 m	●	●										500238.1
Conical test plug ½" - ¾" with connector DN5												500678.1
Conical test plug ¾" - 1¼" with connector DN5												500678.2
Cylindrical test plug ½" with connector DN5												500678.3
Cylindrical test plug ¾" with connector DN5												500678.4
Cylindrical test plug 1" with connector DN5												500678.5
Cylindrical test plug 1¼" with connector DN5												500678.6
Test cap ⅜" with connector DN5	●	●	●	●	●	●	●	●	●	●	●	511171
Test cap ½" with connector DN5												511172
Test cap ¾" with connector DN5												511173
Test cap 1" with connector DN5												511174
Stage stop plug ⅜" and ¾" with connector DN5												500679.1
Stage stop plug ½" and 1" with connector DN5												500679.2
Stage stop plug 1¼" with connector DN5												500679.3

CAPBs® DPK 60-6 sens - tightness test

P00098

Application

Suitable for tightness tests (150 hPa) and load tests (1 bar) on gas pipes and for checking the connection and flow pressure as well as the pressure loss. Can also be used for tightness tests (150 hPa) and strength tests (3 bar) on drinking water pipes. Ideal for acceptance tests of heating system pipes, solar system pipes, underfloor heating systems, liquid gas pipes and oil pipes.

Scope of delivery

- CAPBs® sens PS40
- Pressure test valve with quick-action coupling and high-precision adjustment valve
- Hand-operated bulb pump with valve and connection hose
- 2x conical test plug for pipe diameter ¾" – 1¼" with plug-in nipple
- Y-connector
- Connection hoses with plug-in nipple and quick-action coupling
- Modular system case M "DPK"

Compatibility

CAPBs® sens PS40

High pressure tightness set

P00026

Application

For device connection D8 mm up to 18 bar test pressure. For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness and load test of gas lines, water pipes or other systems.

Scope of delivery

- Pressure test valve with quick-action coupling and high-precision adjustment valve
- 2x multiple connection plugs for connection thread ⅜" ¾" and ½" 1" with plug-in nipple
- Filling hose (0.2 m) ADV for compressor connection
- Connection hose with plug-in nipple DN2.7 and coupling DN5

Compatibility

CAPBs® sens PS40
CAPBs® sens PS60

CAPBs® sens PT70

Pressure transmitter

Description

Pressure transmitter for measurements in liquids and gaseous media.

Application

- Pressure tests of oil pipes
- Tightness tests/strength tests of drinking water installations
- Tightness and load test of gas lines, water pipes or other systems
- Pressure test at pipe systems
- Stress pressure test at pipe systems

Technical specifications

Dimensions H x W x D	76 x 42 x 35 mm
Measuring range	0 / +25 bar
Accuracy	0.5 % of full scale ±1 digit
Resolution	0.1 bar
Hose connection	Plug connection DN5
Part no.	M090 14 28 10

CAPBs® sens PT85

Pressure transmitter

Description

Sensor unit for measurement of pressure, vacuum and differential pressure of liquids and gaseous media. High quality sensor with wide measurement range and high accuracy.

Application

■ Tightness and load test, strength test of gas lines, water pipes or other systems
■ Pressure tests of oil lines
■ Stress pressure tests at pipe systems
■ Hydraulic balancing at thermostatic valve

Technical specifications

Dimensions H x W x D	80 x 42 x 35 mm
Measuring range	7 bar
Accuracy	±10 hPa or 1 % RDG
Resolution	0.1 hPa (< 999.99) 1 hPa (> 1,000)
Hose connection	2x plug-in nipple DN2.7
Part no.	M090 22 35 10

CAPBs® sens PT86

Pressure transmitter
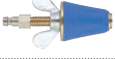
Description

Sensor unit for measurement of pressure, vacuum and differential pressure of liquids and gaseous media. High quality sensor with wide measurement range and high accuracy.

Application

■ Tightness and load test, strength test of gas lines, water pipes or other systems
■ Pressure tests of oil lines
■ Stress pressure tests at pipe systems
■ Adjustment of balancing valves

Technical specifications

Dimensions H x W x D	99 x 42 x 35 mm
Measuring range	20 bar
Accuracy	±25 hPa or 1 % RDG
Resolution	1 hPa
Hose connection	2x coupling DN2.7
Part no.	M090 27 35 10

Accessories CAPBs® sens PT				
Article	PT70	PT85	PT86	Part no.
Measuring needle		●	●	511182
T-connector with 2x coupling, 1x plug-in nipple and shut-off valve				500695
Adapter for compressor connection, with coupling DN5 and plug-in nipple DN7.2				500696
Test plug ½" with connector DN5				500694
Conical test plug ½" - ¾" with connector DN5				500678.1
Conical test plug ¾" - 1¼" with connector DN5				500678.2
Cylindrical test plug ½" with connector DN5				500678.3
Cylindrical test plug ¾" with connector DN5				500678.4
Cylindrical test plug 1" with connector DN5				500678.5
Cylindrical test plug 1¼" with connector DN5	●	●	●	500678.6
Test cap ⅜" with connector DN5				511171
Test cap ½" with connector DN5				511172
Test cap ¾" with connector DN5				511173
Test cap 1" with connector DN5				511174
Stage stop plug ⅜" and ¾" with connector DN5				500679.1
Stage stop plug ½" and 1" with connector DN5				500679.2
Stage stop plug 1¼" with connector DN5				500679.3

Accessories CAPBs® sens PT				
Article	PT70	PT85	PT86	Part no.
Connection hose with 2x coupling DN5, length: 1.2 m	●			500686.2
Connection hose with plug-in nipple DN5 and coupling DN5, length: 0.3 m	●			500687
Connection hose red with coupling DN2.7 and DN5, length: 1.5 m		●		511176
Connection hose blue with coupling DN2.7 and DN5, length: 1.5 m		●		511177
Connection hose with plug-in nipple DN5 and coupling DN2.7, length: 0.3 m		●		511156.1
Connection hose with plug-in nipple DN2.7 and coupling DN5, length: 1 m			●	500685
Connection hose with plug-in nipple DN5 and DN2.7, length: 0.3 m			●	511184.1
Connection hose blue with plug-in nipple DN2.7 and coupling DN5, length: 1.5 m			●	500685.1
Connection hose red with plug-in nipple DN2.7 and coupling DN5, length: 1.5 m			●	500685.2
High pressure tightness set for test pressure up to 15 bar	●			P00148

CAPBs® set PT70 - water tightness test

P00040

Application
For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness, load test and strength tests of drinking water installations, pressure tests of oil lines and stress pressure tests at pipe systems.

Scope of delivery
- CAPBs® sens PT70
- T-connector
- Adapter for compressor connection
- Connection hose with coupling DN5 and plug-in nipple DN5
- Test cap ¾" with connector DN5
- L-Boxx mini

CAPBs® d-set PT70 - pressure logger

P00108

Application

Suitable for tightness and load test of gas lines, water pipes, floor heating or other systems up to 25 bar test pressure. Pressure transmitter for measurements in liquids and gaseous media.

Scope of delivery

- CAPBs® device with cover cap
- CAPBs® interface logger
- CAPBs® sens PT70
- T-connector
- Adapter for compressor connection
- Connection hose with plug-in nipple DN5
- Test cap ¾" with connector DN5
- Data cable
- USB mains unit
- i-Boxx
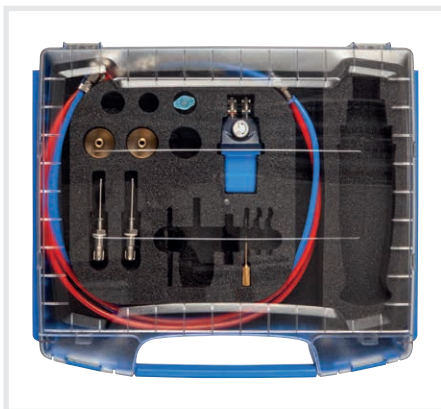
CAPBs® set PT86 - hydronic balance

P00057

Application

For measuring the differential pressure to adjust the flow rate at line valves or balancing valves as part of the hydraulic balancing process. Useable for different types of balancing valves of various brands.

Scope of delivery

- CAPBs® sens PT86
- 2x test cap ¾" with connector DN5
- 2x measuring needle with connector DN5
- Measuring needle drill
- Measuring hose set
- Sinterfilter with O-ring
- Batteries micro AAA
- Storage vessel
- i-Boxx

CAPBs® sens FP10

Pressure & temperature

Description

Sensor unit for simultaneous, continuous measurement of temperature and pressure. The CAPBs® sens FP10 allows for convenient flow rate measurement with a stable zero point.

Application

- Air flow measurement (Pitot tube)
- 4Pa measurement (hose kit) (only with CAPBs® module)

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm			
Measuring range	-20 / +20 hPa	0.2 / 20 m/s	-50 / +600 °C	Temperature
Accuracy	±0.003 hPa or 0.5 % RDG ±1 digit	±0.1 m/s or ±5 % RDG	±1.5 °C	
Resolution	0.0001 hPa	0.01 m/s	0.1 °C	
Part no.	M090 05 32 10			

Pitot

Accessories CAPBs® sens FP10		
	Article	Part no.
	Pitot pipe 165 mm, D8 with cone	500663
	Hose kit 4Pa test, length: 4 m	500664
	Surface temperature sensor micro type K	522991

CAPBs® set FP10 - air flow measurement

P00067

Application
Suitable for air flow speed, volumetric flow rate and temperature measurement.

Scope of delivery
- CAPBs® sens FP10
- Pitot pipe 165 mm
- Surface temperature sensor micro type K
- L-Boxx mini

CAPBs® set FP10 - 4 Pa test

P00119

Application
If multiple heat systems using indoor intake air and ventilation systems are operated in a closed space, this can result in a hazardous low pressure.
With the 4 Pa test set it is possible to check and document the low pressure limit value of 4 Pa.

Scope of delivery
- CAPBs® sens FP10
- Hose kit 4 Pa test
- L-Boxx mini

CAPBs® sens TK11

Temperature type K

Description

Temperature transmitter with two standardised temperature sockets type K. This allows for the connection of all type K two-pole thermocouples and temperature probes (for example, the complete temperature probe range). In conjunction with BLUELYZER® ST, it is, for example, possible to measure up to four temperature values.

Application

- Temperature measurement
- Differential temperature measurement
- Determination of the temperatures of flow and return

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm
Measuring range	-50 / +1,150 °C (depends on thermocouple used)
Accuracy	±1.5 °C
Resolution	0.1 °C
Connection	Probe: 2x type K
Part no.	M090 00 09 10

CAPBs® sens TK20

Temperature

Description
Penetration probe for measurement of the temperature in liquids and soft plastic media.

Application
■ Temperature measurement

Technical specifications

Dimensions H x W x D	42 x 186 x 35 mm
Probe diameter	3 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 22 10

CAPBs® sens TK30

Temperature

Description
Liquid probe for measurement of the temperature in liquids.

Application
■ Temperature measurement

Technical specifications

Dimensions H x W x D	42 x 187 x 35 mm
Probe diameter	1.5 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 23 10

CAPBs® sens TK35

Temperature

Description
Liquid probe for measurement of the temperature in liquids.

Application
- Temperature measurement

Technical specifications

Dimensions H x W x D	190 x 42 x 35 mm
Probe diameter	3 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 24 10

CAPBs® sens TK40

Temperature

Description
Air probe for measurement of the temperature in air.

Application
- Temperature measurement

Technical specifications

Dimensions H x W x D	187 x 42 x 35 mm
Probe diameter	4.7 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 25 10

CAPBs® sens TK50

Temperature

Description
Surface probe for measurement of the temperature on surfaces.

Application
■ Temperature measurement

Technical specifications

Dimensions H x W x D	187 x 42 x 35 mm
Probe diameter	4 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 26 10

Accessories CAPBs® sens TK11		
	Article	Part no.
	Temperature surface probe to 450 °C, type K	523033
	Temperature penetration probe to 600 °C, type K	523034
	Temperature liquid/gas probe to 900 °C, type K	523035
	Clamp probe for pipes <D36 mm, max. 120 °C, type K	511098
	Air sensor 20 mm with magnet, type K, length: 2.5 m	500141
	Air sensor 20 mm with cone, type K, length: 2.5 m	500141.4
	Air sensor 80 mm with cone, type K, length: 2.5 m	500141.0
	Air sensor 80 mm with magnet and cone, type K, EN50379, length: 2.5 m	500141.1
	Air sensor 200 mm with cone, D5, type K	500147
	Air sensor, type K	521844

CAPBs® set TK11 - heat pump

P00112

Application
For measuring of temperatures on heating system pipes, water pipes, refrigeration systems or heat pumps. Suitable for differential temperature measurement and determination on the temperatures of flow and return.

Scope of delivery
- CAPBs® sens TK11
- 2x clamp probe
- L-Boxx mini

CAPBs® d-set TK11 - temperature logger

P00110

Application
Data logger set for differential temperature with two standardised temperature sockets type K. This allows for the connection of all type K two-pole thermo-couples and temperature probes (for example, the complete temperature probe range).

Scope of delivery
- CAPBs® device with cover cap
- CAPBs® interface logger
- CAPBs® sens TK11
- Data cable
- USB mains unit
- L-Boxx mini

CAPBs® sens RH80

Air temperature & humitidy

Description
Sensor unit for measurement of temperature and relative humidity in ambient air. Calculation of absolute humidity and dew point temperature.

Application
- Checks of the climatic conditions in rooms
- Mould prevention
- Evaluation of the indoor air quality (IAQ)

Technical specifications

Dimensions H x W x D	82 x 42 x 35 mm		
Measuring range	0 / 100 % r.h.	-40 / +80 °C	
Accuracy	±3 % r.h. ±1 digit	±0.5 °C ±1 digit	Temperature
Resolution	0.1 % r.h.	0.1 °C	
Part no.	M090 11 12 10		

CAPBs® d-set RH80 - humidity logger

P00109

Application
Suitable for check and logging the temperature and humidity of the climatic conditions in rooms.

Scope of delivery
- CAPBs® device with cover cap
- CAPBs® interface logger
- CAPBs® sens RH80
- Data cable
- USB mains unit
- L-Boxx mini

CAPBs® sens AQ20

Air quality

Description

Sensor unit for fast and reliable detection of VOCs (volatile organic compounds) and CO_2 in ambient air. The gas concentration is displayed by the evaluation unit as CO_2 (ppm) and TVOC (ppb); the CAPBs® measurement unit provides an audible signal.

Application

- Monitor of the air quality in rooms
- Inspection of filters
- Detection of leaks in conjunction with hazardous substances
- Redundant measurement in conjunction with PID measurements

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm	
Measuring range	450 / 2,000 ppm CO_2 equivalent	125 / 600 ppb TVOC equivalent
Resolution	1 ppm	
Part no.	M090 12 00 10	

CAPBs® sens AQ35

Air quality

Description

Sensor unit for measurement of carbon dioxide. The highly accurate CO_2 infrared sensor has a very low drift; it can be adjusted in fresh air. Thanks to the possibility to conveniently enter the measuring time, it is possible to check and document given CO_2 mean values.

Application

- CO_2 concentration measurement
- Assessment of the ambient air quality in rooms
- For adjustment of ventilation and air conditioning systems as per EN 13779 or TRGS 900 (limit values for workplaces)
- Evaluation of the CO_2 in closed rooms (e.g. in schools, offices, conference rooms, libraries etc.)

Technical specifications

Dimensions H x W x D	83 x 42 x 35 mm
Measuring range	0 / 10,000 ppm CO_2
Accuracy	±70 ppm or +3 % RDG
Resolution	1 ppm
Part no.	M090 23 00 10

CAPBs® sens AQ36

Air quality

Description

Sensor unit for measurement of carbon dioxide, humidity and temperature. The highly accurate CO_2 infrared sensor has a very low drift; it can be adjusted in fresh air. Thanks to the possibility to conveniently enter the measuring time, it is possible to check and document given CO_2 mean values.

Application

- CO_2 concentration, humidity and temperature measurement
- Indoor air quality (IAQ) measurements
- Assessment of the ambient air quality in rooms
- For adjustment of ventilation and air conditioning systems as per EN 13779 or TRGS 900 (limit values for workplaces)
- Evaluation of the air quality in closed rooms (e.g. in schools, offices, conference rooms, libraries etc.)

Technical specifications

Dimensions H x W x D	115 x 42 x 35 mm				
Measuring range	0 / 10,000 ppm CO_2	0 / 100 % r.h.	Relative humidity	-40 / +125 °C	Temperature
Accuracy	±70 ppm +3 % RDG	±3 % r.h. (at 25°C)		±2 °C	
Resolution	1 ppm	0.1 % r.h.		0.1 °C	
Part no.	M090 26 00 10				

CAPBs® d-set AQ36 - IAQ logger

P00107

Application

Complete IAQ logger kit for monitoring of carbon dioxide (CO_2), humidity and temperature. The highly accurate CO_2 infrared sensor has a very low drift and can be adjusted in fresh air.

Scope of delivery

- CAPBs® device with cover cap
- CAPBs® interface logger
- CAPBs® sens AQ36
- Data cable
- USB mains unit
- L-Boxx mini

CAPBs® sens CO30

CO detection

Description

Sensor unit with electro-chemical sensor for fast and reliable detection of CO (carbon monoxide) in ambient air. The CO concentration is displayed by the evaluation unit as CO value in ppm; the CAPBs® measurement unit provides an audible signal when the alarm threshold is exceeded.

Application

- CO detection and concentration measurement
- Application in boiler rooms or at flue gas pipes, for example for self-protection during flue gas line tests

Technical specifications

Dimensions H x W x D	64 x 42 x 35 mm
Measuring range	0 / 2,000 ppm CO
Resolution	1 ppm
Part no.	M090 16 33 10

CAPBs® sens GS10

Gas sniffer

Description

Sensor unit for fast and reliable gas leak detection. The flexible probe allows for use in spaces difficult to access. The gas concentration is displayed by the evaluation unit in ppm; the CAPBs® measurement unit provides an audible signal. The alarm threshold can be adjusted as required. Due to the base calibration for methane, a wide range of flammable gases is detectable. The anti-poisoning protection function for the sensor ensures a long service life.

Application
- Gas leak detection
- Detection of gas leaks (flammable gases) in gas pipes as well as connection pieces and fittings, gas meters, gas burners and gas tanks

Technical specifications

Dimensions H x W x D	290 x 42 x 35 mm
Measuring range	0 / 2,000 ppm CH_4
Resolution	10 ppm
Part no.	M090 13 14 10

CAPBs® d-set GS10 - gas sniffer

P00063

Application
Set for detecting gas leaks in gas pipes, gas meters, gas burners and gas tanks.

Scope of delivery
- CAPBs® device with cover cap
- CAPBs® interface basic
- CAPBs® sens GS10
- Data cable
- USB mains unit
- L-Boxx mini

Application video

CAPBs® sens WQ10

Water quality

Description

CAPBs® sens WQ10 simultaneously determines the pH value, the electrical conductivity (µS/cm) and hardness (°dH) with a single measurement. In addition, the TDS value (total dissolved solids in the water), salinity and temperature can be measured. Thanks to automatic measuring range switching, the conductivity can be measured with a high measuring accuracy within a large measuring range.

Application

- Determination and evaluation of water quality
- Assessment of system water in heating systems (for example, heating system water analysis as per VDI 2035)
- Measurement of pH value, electrical conductivity, hardness, TDS value, salinity and temperature

Technical specifications

Dimensions H x W x D	130 x 43 x 36 mm
Part no.	M090 25 13 10

	Measuring range	Resolution	Accuracy
Electrical conductivity	0 / 50,000 µS/cm	1 µS/cm 0.1 mS/cm	±20 µS/cm (< 199 µS/cm) ±25 µS/cm (200 > 499 µS/cm) ±100 µS/cm (500 > 1999 µS/cm) ±0.4 mS/cm (2.00 > 19.99 mS/cm) ±1 mS/cm (20.00 > 50.00 mS/cm)
Salinity	0 / 25,000 ppm	0.1 ppm 0.01 ppt	-
TDS value	0 / 50,000 mg/l	1 mg/l 0.01 g/l	-
pH value	0 / 14 pH	0.01 pH	±0.1 pH
Temperature	-5 / +60 °C	0.1 °C 0.1 °F	±0.5 °C

CAPBs® sens WQ11

Water quality

Description

Sensor unit for determining water quality and assessing the system water in heating systems. Measurement of electrical conductivity, hardness and temperature.

Application

- Determination and evaluation of water quality
- Assessment of system water in heating systems (for example, heating system water analysis as per VDI 2035)
- Measurement of electrical conductivity and hardness, TDS value, salinity and temperatur

Technical specifications

Dimensions H x W x D	121 x 43 x 36 mm
Part no.	M090 29 13 10

	Measuring range	Resolution	Accuracy
Electrical conductivity	0 / 50,000 µS/cm	1 µS/cm 0.1 mS/cm	±2 µS/cm (< 199 µS/cm) ±5 µS/cm (200 > 499 µS/cm) ±20 µS/cm (500 > 1999 µS/cm) ±0.2 mS/cm (2.00 > 19.99 mS/cm) ±0.5 mS/cm (20.00 > 50.00 mS/cm)
Salinity	0 / 25,000 ppm	0.1 ppm 0.01 ppt	-
TDS value	0 / 50,000 mg/l	1 mg/l 0.01 g/l	-
Temperature	-5 / +60 °C	0.1 °C 0.1 °F	±0.5 °C

Accessories CAPBs® sens WQ		
	Article	Part no.
	Case with calibration solutions for electrical conductivity and pH, including titrant	511094
	Case with calibration solutions for electrical conductivity, including titrant	511095
	Hardness measuring cutlery, single pack	524683
	Storage solution, electrolyte potassium chloride 3 mol/l, 50 ml	524405
	Conductivity calibration solution 1,413 mS, 100 ml	524407
	Conductivity calibration solution 12,88 mS, 100 ml	524408
	Test solution pH4, 100 ml	524410
	Test solution pH7, 100 ml	524411
	Test solution pH10.07, 100 ml	524409
	Cleaning solution, 100 ml	524412
	Sensor head pH / EC	524353
	Sensor head EC	525092

CAPBs® set WQ10 - water quality

P00032

Application

Complete ready to use kit for quick assessment concerning the necessity of corrosion protection measures or system cleaning in the practical system case M with sensor unit CAPBs® sens WQ10 and all associated calibration solutions and sample containers.

Scope of delivery

- Sensor unit CAPBs® sens WQ10
- Calibration solutions for pH value
- Calibration solutions for electrical conductivity
- Sample containers
- Cleaning solution
- Storage solution
- Hardness measuring cutlery
- Modular system case M

CAPBs® set WQ11 - water quality

P00134

Application

Set for determining water quality and assessing the system water in heating systems (VDI 2035).

Scope of delivery

- Sensor unit CAPBs® sens WQ11
- Calibration solutions for electrical conductivity
- Sample containers
- Cleaning solution
- Hardness measuring cutlery
- Modular system case M

Application video

CAPBs® sens AT10

Anode tester

Description
Sensor unit for testing isolated built-in sacrificial anodes on hot water tanks.

Application
- Measuring insulated anodes
- Checking and evaluating the current anode consumption status

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm
Measuring range	0 - 6 mA
Resolution	0.01 mA
Part no.	M090 28 39 10

FlowTemp® STx

Volume flow & temperature

Description

Instrument for continuous, simultaneous determination of temperature (°C) and volume flow (l/min) and in water applications. The volume rate is measured with a high-precision capacitance flow sensor, the temperature with a type K module. Both sensors are integrated in a robust housing made of high quality plastic with degree of protection IP 67. Thanks to the compact design, measurements at low water fittings are very convenient. Via Bluetooth® the sensor values can be transfered to the free EuroSoft® live App.

EuroSoft® live app

live

Download on the App Store

GET IT ON Google Play

Available for Windows

Bluetooth®

Application

- Risk analysis in drinking water installations (EN 806)
- Function checks of decentralised drinking water heaters
- Documentation of water sampling for laboratories
- Determination of the water temperature at water taps (EN 806-2; DIN EN 1988-200)
- Acceptance tests of newly installed drinking water installations
- Verification and documentation of thermal disinfection against legionella (DVGW 557)

Technical specifications

		Volume flow		Temperature
Dimensions H x W x D	158 x 71 x 97 mm			
Measuring range	1.5 / 17.5 l/min		+5 / +80 °C	
Accuracy	±0.3 l/min or ±5 % RDG		±1 °C or ±3 % RDG	
Resolution	0.1 l/min		0.1 °C	
Response delay (t90)	< 10 s		< 5 s	
Sensor	Capacitive sensor		type K	
Sampling rate	1 sec			
Data interface	Bluetooth®			
Power supply	2x AAA alkaline batteries or 2x AAA rechargeable batteries			
Part no.	502002			

FlowTemp® online

The **SYSTRONIK GmbH** is specialized in development and production of high-quality measuring instruments for flue gas analysis, testing and maintaining HVAC installations, climate and environmental technology. All SYSTRONIK products satisfy the highest standards for quality, reliability and safety.

Our facilities are certified to full operational requirements of the ISO 9001 quality standard. We are constantly striving to improve our quality assurance position with input from periodic audits by independent experts required for continued certification.
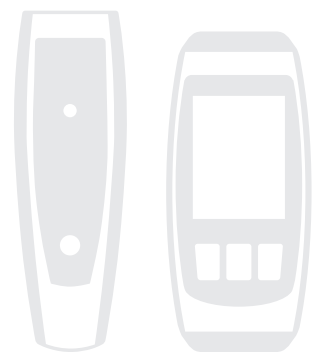
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