pressure measuring instrument

benefits

- for measuring pressure, vacuum and differential pressure
- six (differential) pressure measuring ranges from measuring instrument for ultra-low pressure (20 mbar) to version for very high pressure (18 bar)
- barometric pressure sensor and temperature compensation for highly accurate measured value
- large TFT colour display (W x H: 45 x 60 mm) for simultaneous display of 4 measured values
- measured values displayed in 9 units: mbar, Pa, hPa, kPa, mmWC, mmHg, inWC, psi, bar
- fully automatic device check, manual and automatic zero calibration during program start
- microSD card for system-independent storage of measurement logs (HTML format) and fast software updates
- optional data logger function for long-term measurement or diagnostics (data in XML format)
- Pitot measurement (air velocity) for measuring range up to 20 mbar or 150 mbar

Application

For measuring pressure, vacuum and differential pressure. For non-corrosive gaseous, dry media. Ideal for industrial, medical and air conditioning technology applications. Other typical application areas: Measurement of chimney draft, measurement of inlet pressure, flow pressure and nozzle pressure, pressure loss in flowing gases, filter inspection, ventilation systems or ducts, production and extraction facilities, vacuum measurement (laboratory), check of the connection pressure (natural gas supply pipes), burner pressure check, inspection of tanks for liquids (inlet and outlet pressure). Minimum and maximum values can be set before the measurement; if these values are reached, visual or audible alarms are triggered. The free Android app EuroSoft connect allows for transfer of measurement results to smartphones and tablets via QR code and for the visualisation of such results. Measurement records can also be sent via e-mail.

Technical Specifications

Operating temperature range
Ambient: 0/40 °C
Storage: -20/+50 °C

Hours of operation (eco mode)
max. 38 hours

Dimensions
W x H x D: 66 x 143 x 37 mm

Degree of protection
IP 40 (EN 60529)

Display
TFT colour display 2.8 "
W x H: 45 x 60 mm

Supply voltage
lithium-ion battery (3.6 V/1800 mAh)
power supply unit (mini USB)
Battery or mains

Data memory
microSD card, max. 16 GB

Interfaces
Infrared,
Bluetooth®,
QR code generator,
microSD card slot

Approvals
EN 50379-2

Scope of delivery
- Measuring instrument
- Calibration report
- power supply unit
- Charging cable USB-A - mini USB
- microSD card
- protective sleeve with magnet for device

Versions

		Measuring range		Part no.
pressure measuring instrument S4601 ST	150 mbar	-150/+150 mbar	●	P00084
pressure measuring instrument S4602 ST	20 mbar	-20/+20 mbar	○	P00085
pressure measuring instrument S4610 ST	1,000 mbar	-1000/+1000 mbar	●	P00086
pressure measuring instrument S4650 ST	5,000 mbar	-1000/+5000 mbar	●	P00087
pressure measuring instrument S4650 ST-F	5,000 mbar, with Festo connection ⌀ 3 mm	-1000/+5000 mbar	●	P00088
pressure measuring instrument S4680 ST	8,000 mbar	-1000/+8000 mbar	●	P00089
pressure measuring instrument S4680 ST-F	8,000 mbar, with Festo connection ⌀ 3 mm	-1000/+8000 mbar	●	P00090
pressure measuring instrument S4699 ST-F	18,000 mbar, with Festo connection ⌀ 3 mm	-1000/+18000 mbar	●	P00091

● in-stock items

○ Non-stock items