PRESSURE MEASURING

S4600 ST



- 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 records (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

EuroSoft® connect app

connect

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Download on the App Store

Bluetooth®

TÜV SÜD

Also available as CAPBs®

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.

Top



Bottom



1 Pressure/differential pressure measurement
2 Infrared printer interface
3 Signal unit (speaker)
4 microSD card slot
5 USB connection for power supply unit/charger

Technical specifications

Model	Measuring range (mbar)	Pitot (m/s)	Max. over-pressure (bar)	Resolution (mbar)	Accuracy (% of measured value)
S4601 ST	±150	2–50	1.35	0.01 (< 99.99) / 0.1 (> 100); Pitot (m/s): 0.1	±0.03 mbar or 0.5 %; Pitot: 0.8 m/s
S4602 ST	± 20	0.5–50	0.25	0.001 Pitot (m/s): 0.1	±0.003 mbar or 0.5 %; Pitot: 0.3 m/s
S4610 ST	±1,000	–	3.5	0.1 (< 999.9) or 1.0 (> 1,000)	±0.03 mbar or 0.5 %
S4680 ST (-F)	±8,000	–	16	0.1 (< 999.9) or 1.0 (> 1,000)	±1.2 mbar or 0.5 %
S4699 ST-F	±18,000	–	28	1	±3 mbar or 0.5 %

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

Hours of operation (eco mode)
Max. 38 hours

Weight
Approx. 220 g

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

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

Hose connection
S4601 ST, S4602 ST, S4610 ST, S4650 ST, S4680 ST: 2 x Ø 8 mm
S4650 ST-F, S4680 ST-F, S4699 ST-F: 2 x Ø 3 mm (Festo)

Supply voltage
Lithium-ion battery (3.6 V/1,800 mAh), power supply unit (mini USB), battery or mains operation

Data memory
microSD card, max. 16 GB

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

Approvals
Draft measurement, EN 50379-2

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DG: B, PG: 4	Part no.	**Price €**
Pressure measuring instrument S4601 ST (150 mbar)	P00084	
Pressure measuring instrument S4602 ST (20 mbar)	P00085	
Pressure measuring instrument S4610 ST (1,000 mbar)	P00086	
Pressure measuring instrument S4680 ST (8,000 mbar)	P00089	
Pressure measuring instrument S4680 ST-F (8,000 mbar), with Festo connection Ø 3 mm	P00090	
Pressure measuring instrument S4699 ST-F (18,000 mbar), with Festo connection ø 3 mm	P00091	

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See page 80 and following for suitable accessories.