

## PRESSURE MEASURING INSTRUMENT

# S4600 ST



**EuroSoft  
mobile app**



Also  
available  
as  
**CAPBs®**

- + 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 mobile" allows for transfer of measurement results to smartphones and tablets via QR code and for the visualisation of such results. Measurement logs 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)
<b>S4601 ST</b>	± 150	2 – 50	1.35	0.01 (< 99.99) / 0.1 (> 100) Pitot (m/s): 0.1	0.5 ± 1 digit Pitot: ±0.8 m/s
<b>S4602 ST</b>	± 20	0.5 – 50	0.25	0.001 Pitot (m/s): 0.1	0.5 ± 1 digit Pitot: ±0.3 m/s
<b>S4610 ST</b>	± 1,000	–	16	0.1 (< 999.9) / 1.0 (> 1,000)	0.5 ± 1 digit
<b>S4650 ST (-F)</b>	± 5,000	–	16	0.1 (< 999.9) / 1.0 (> 1,000)	0.5 ± 1 digit
<b>S4680 ST (-F)</b>	± 8,000	–	16	0.1 (< 999.9) / 1.0 (> 1,000)	0.5 ± 1 digit
<b>S4699 ST-F</b>	± 18,000	–	28	1	0.5 ± 1 digit

#### Operating temperature range

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

#### Hours of operation

Max. 38 hours

#### Weight

Approx. 250 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: Ø 8 mm  
S4650 ST-F, S4680 ST-F,  
S4699 ST-F: Ø 3 mm (Festo)

#### Supply voltage

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

#### Data memory

microSD card, max. 16 GB

#### Data logger

1–999 seconds, interval freely selectable

#### Interfaces

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

#### Approvals

EN 50379-2 (except for S4699 ST)

#### Scope of delivery

- Measuring instrument with power supply unit and data cable
- Calibration report
- microSD card
- Protective sleeve with magnet

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See chapter 7 for options and accessories.

DG: H, PG: 4	Part no.	Price €
<b>S4601 ST</b> (150 mbar)	571301	
<b>S4602 ST</b> (20 mbar)	571300	
<b>S4610 ST</b> (1,000 mbar)	571302	
<b>S4650 ST</b> (5,000 mbar)	571303	
<b>S4650 ST-F</b> (5,000 mbar), with Festo connection ø 3 mm	571304	
<b>S4680 ST</b> (8,000 mbar)	571305	
<b>S4680 ST-F</b> (8,000 mbar), with Festo connection ø 3 mm	571306	
<b>S4699 ST-F</b> (18,000 mbar), with Festo connection ø 3 mm	571307	