



BlueLine®

S4600 ST

Pressure measuring instrument series



Application

The high-precision series S4600 ST pressure measuring instruments of the BlueLine® series are perfect for measuring the pressure of gaseous, non-corrosive media in non-hazardous locations. Ideal for industrial, medical and air conditioning technology applications. The S4600 ST range of pressure measuring instrument comprises six device versions (± 20 hPa, ± 150 hPa, ± 1 bar, ± 5 bar, ± 8 bar, ± 18 bar). The instruments can be used for pressure measurements as well as for leakage and load tests on gas lines.

The free EuroSoft® connect App (iOS, Android and Windows) allows to transmit measured values to smartphones, tablets or PCs via QR code or Bluetooth®. Ideal for documentation and visualisation of "live" measurement results, logs and long-term measurements.



EuroSoft® connect app



General specifications

Dimensions (H x W x D)	143 x 66 x 37 mm (with protective sleeve)
Weight	approx. 250 g
Material housing	Polyamide (PA)
Display type	2.8" TFT color screen (240 x 320 pixels)
Response delay (T90)	<10 s
Operating temperature	0 to +40 °C
Storage temperature	-20 to +50 °C
Pressure connection	2 x 8 mm or 2 x Festo (3 mm)

Pressure/differential pressure measurement

TFT color screen

Holster with magnets

Enter key

Return key

Navigation keys

On/off button

microSD card slot

Infrared printer interface

Signal unit (speaker)

USB connection for power supply unit/charger



Technical specifications

Model	Part no.	Measuring range	Pitot	Max. over-pressure	Resolution	Accuracy (% of measured value)	Connection type
S4602 ST	M066050116	±20 hPa	0.5 to 50 m/s	0.25 bar	0.001 hPa Pitot: 0.1 m/s	±0.003 hPa ±0.50 % RDG Pitot: ±0.3 m/s	Ø 8 mm
S4601 ST	M066010116	±150 hPa	2.0 to 50 m/s	1.35 bar	0.01 hPa (<100 hPa) 0.1 hPa (>100 hPa) Pitot: 0.1 m/s	±0.03 hPa ±0.50 % RDG Pitot: ±0.8 m/s	
S4610 ST	M066020116	±1 bar	-	3.5 bar	0.1 hPa (< 1,000 hPa) 1 hPa (>1,000 hPa)	±0.3 hPa ±0.50 % RDG	
S4650 ST	M066030116	±5 bar	-	16 bar	0.1 hPa (< 1,000 hPa) 1 hPa (>1,000 hPa)	±5 hPa ±0.50 % RDG	
S4680 ST	M066040116	±8 bar	-	16 bar	1 hPa	±5 hPa ±0.50 % RDG	
S4699 ST	M066100116	±18 bar	-	28 bar	1 hPa	±5 hPa ±0.50 % RDG	
Barometric pressure measurement		500 to 1150 hPa	-	-	1 hPa	±10 hPa	


Freehand working

The ergonomically designed hand-held instrument has an integrated protective cover with three magnets, which also allows handsfree operation.

Accurate readings

The pressure meter has automatic/manual zero correction as well as an automatic check routine. The built-in barometric pressure sensor and the internal temperature compensation provide highly accurate readings.

Storage of measured values

All measured data can be stored on the microSD card and transferred to a PC. The optional data logger function is suitable for long-term measurement or diagnostics.

Different units adjustable

Measured values are displayed in nine units: mbar, Pa, hPa, kPa, mmWC, mmHg, inHg, psi, bar.

Flow

The pressure gauges S4601 ST and S4602 ST can optionally be used for flow velocity measurements (Pitot). When entering the channel geometries, the air velocity (m/sec, km/h) and the flow rate (m³/h, m³/s, l/s) are displayed.

Wireless print

An IR interface for wireless connection to the EUROprinter enables the printing and documentation of the measurement results. Furthermore, a Bluetooth® interface is available.

Clear presentation

The large TFT colour display shows four measured values simultaneously and lets clearly see the results, even in dark rooms. Colored icons uncomplicated navigate through the menu to useful settings, such as alarm limits.

Data processing apps

Easily display and processing of the measured values by the EuroSoft® connect App. Measurements can be shared in multiple ways.

Expansion kits

Low pressure kit



High pressure kit D8



Application	For device connection D8mm. For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness test and pressure loss measurement.	
Test pressure	up to 1 bar	up to 18 bar
Set includes	<ul style="list-style-type: none"> ■ Pressure test valve with quick-action coupling and high-precision adjustment valve ■ Connection hose with plug-in nipple DN2.7 and coupling DN5 ■ Hand-operated bulb pump with valve and connecting hose ■ 2x conical test plug for pipe diameter 1/2" to 1 1/4" with plug-in nipple 	<ul style="list-style-type: none"> ■ Pressure test valve with quick-action coupling and high-precision adjustment valve ■ Connection hose with plug-in nipple DN2.7 and coupling DN5 ■ Filling hose (0.2m) ADV for compressor connection ■ 2x multiple connection plug for connection thread 3/8" 3/4" and 1/2" 1" with plug-in nipple
Part no.	P00025	P00026

SYSTRONIK

SYSTRONIK GmbH is specialized in development and production high quality measuring instruments for flue gas analysis, testing and maintaining HVAC installations, climate technology 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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Messtechnologie

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