

**OEM Pressure Transmitter****Features**


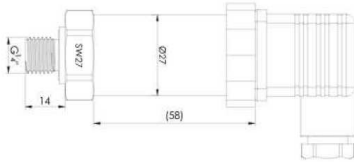
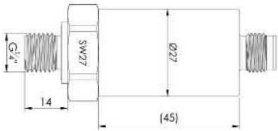
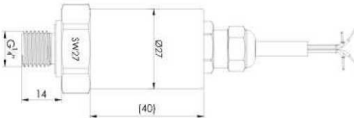
- Measuring ranges from 200mbar to 100bar
- Gauge pressure
- Accuracy:  $\pm 0.25\%$ FSO(Typ.)
- Calibrated and temperature compensated
- Stainless steel pressure sensor
- Output 4...20mA, DC1...5V, DC0.5...4.5V, etc.

**Application**

- Hydraulic and pneumatic
- Machine building
- Pumps
- Water treatment
- IoT pressure measurement

All specs are subject to change without notice

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<p><b>Code E1</b> DIN175301-903A/DIN48950/PS5</p> <p><b>Code E2</b> Circular connector M12x1.4(FHP)/PS6</p> <p><b>Code E3</b> Cable outlet, 5m/PS6</p>																																							
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<b>Technical data</b>																
<b>Pressure range</b>																
Nominal pressure [bar]	0.2	0.35	0.6	1	1.6	2.5	4	6	10	16	20	25	35	50	70	100
Overpressure [bar]	0.4	0.5	1	1.5	3	5	7	10	15	30	30	40	50	70	100	140
<b>Performance</b>																
Accuracy*	0.25 %FS@25°C(Typ.) 0.5 %FS@25°C(Max.)															
Operating Temperature	-20 to 85°C															
Compensated Temperature Range	-10 to 70°C															
Vibration	20 g RMS(20 to 2000Hz)															
Shock	100 g(10ms)															
Cycles	10x10 <sup>5</sup>															
Long Term Stability	0.2 %FS															
<b>Electrical @25°C</b>																
Output signal / Supply	2-wire 4...20mA / V <sub>S</sub> = 9... 30VDC 3-wire 1...5VDC / V <sub>S</sub> = 9... 30VDC 3-wire 0.5...4.5VDC / V <sub>S</sub> = 9... 30VDC															
Insulation Resistance	100 MΩ@100VDC															
EMC Test	IEC61000-6-2/IEC61000-6-3															
Reverse polarity / protection	No damage – no function															
<b>Physical Specifications</b>																
Housing	304 stainless steel															
Diaphragm	316L stainless steel															
Oil Filling	Silicone oil															
Protection	IP65															
Weight	~200g															
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## STORAGE

If the complex must be storage before use, please keep dry and repaired.

Do not leave outdoor.

Device is strongly sensitive to humidity hence avoid to store where relative humidity is more than 90%

STORAGE TEMPERATURE:  $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$

RELATIVE HUMIDITY: max 90% @  $+40^{\circ}\text{C}$

## MAINTENANCE

Maintenance of transmitter must be done compulsory in factory. We recommend every 5 years to send back transmitter for calibration check and inspection.

## WARRANTY

Device is covered by 24 months after installation or max 36 months after delivery.

In case of service the transmitter must be sent back to factory for inspection.

## WARNINGS

### **CAUTION**

Do not drop or hit the transmitter. The sensor is fragile and may break from sudden shock.

When transporting the transmitter, use the original shipping box from Electronsistem.

### **NOTE**

Keep the transmitter dry and clean.

Do not remove the transparent transport protection caps before you are ready to install the transmitter.

## INSTALLATION

1. Remove the transport caps when you are ready to install the transmitter. Check o-ring is clean without dust and properly assembled.
2. Install the transmitter to the mechanical coupling and tighten gently by hand. Then use a wrench to tighten the connection. Use a sufficient force to achieve a tight installation (recommended 10-15Nm) . The system must be leak-free for accurate measurement.
3. Connect proper circular wiring into the output port checking the correct polarization of the connector then turn firmly the rotating crown of the cable.  
Use a cable with a suitable outdoor IP67 connector for your installation (straight or angled)

### **DISCLAIMER NOTE:**

While we provide application assistance it is up to the customer to determine the suitability for its use.

Specification may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However we assume no responsibility for its use.

The quality of ElectronsistemMD products is guaranteed by a Quality, Safety and Environmental management system certified by DNV according to ISO 9001, ISO 18001 and ISO 14001. Electronsistem MD works in partnership with its customers in designing customized executions in order to meet specific requirements, please contact us.

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