

## Pressure Transmitter Series

### Mobile Hydraulics

## SML-MO-1

<b>Pressure Range</b>	-1 ... to +1 bar; 0...4000 bar ( -0,1 MPa ... to +0,1 MPa; 0 ... 400 MPa )
<b>Output</b>	0,5..4,5 V @ 5 V, 4...20 mA, 0...10 V, 1...5 V
<b>Ambient temperature</b>	-40°C ...to +110°C max. 140°C (depend on variants)
<b>Media temperature</b>	to 125° C

Resistant to pressure peaks  
Shockproof and vibration-proof  
Compatible with all standard media (gas oil, AFT-Oil, break-fluids a.s.)  
Protection Class: DIN EN 60 529 IP 65 to IP 69k  
Wetted Materials Sensor : Stainless-steel

### Construction

- ☐ Hermetically welded
- ☐ Piezo-resistive, vacuum-proof,  
Stainless steel diaphragm with  
Pressure range resistor (Poly-Si-on SiO<sub>2</sub> )
- ☐ Case: Stainless steel
- ☐ Pressure Connection G ¼ " Form E \*)
- ☐ Electrical connection: cable or variable plugsystem \*)
- ☐ Error total typical 0,5% F.S. within RT  
typical -20° C ...to + 100° C , < 1,5 % F.S.
- ☐ Mixed Signal ASIC
- ☐ Case diameter 22 mm / SW 22 – Lenght: 27, 35 und 40 mm
- ☐ Weight ca. 90 g

### Application / Possibles Uses

- ☐ Motor vehicle Technique
- ☐ Gearboxes
- ☐ Oil -pressure
- ☐ Gas oil- and Gas-Engines
- ☐ Break-Systems
- ☐ Hydraulics

### Description

Pressure transmitters of the dimensions: fitting length of 40 mm and a diameter of 22 mm are especially applied in mobile hydraulics and automotive technology. A pressure supply of the standard thread with HEX 22 guarantees versatile application modes. The electrical connector delivery package includes, among other things, MQS-plugs. The pressure transmitters SML offer high operational safety:

**EMV to 300 V/m, Vibration 50 g, Pressure cycles > 10 million, Reaction time < 5 ms, Shock resistance 1000 g, Load Dump 150 V, Short-circuit-proof and reverse-pole protected**

The special steel membrane is completely vacuum-tight, burst-proof and can be used with all standard media in hydraulics, pneumatics, process technology and automotive engineering, in as far as they are compatible with special steel. This thereby covers use in standard applications in mobile hydraulics and in other areas of application. The great exactness and the robust, compact structure guarantee a broad range of possible uses in industry.

- Subject to alteration -  
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\*) others on request