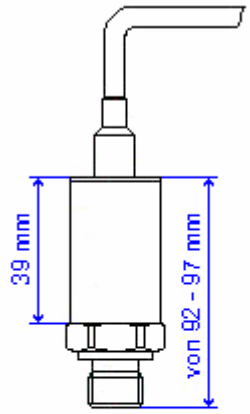
PT-MH2

Transmitter for Mobile hydraulics (PWM)



Fields of applications

- Automobile engineering
- Testing equipment
- Test technology
- Mobile hydraulics

Description

Pressure transmitters are used especially in the fields of mobile hydraulics and automobile engineering.
Pressure connections with standard threads (for example, M 14*1.5, 9/18 - UNF) with HEX 22 guarantee a high variety of possible applications (* others on request).
Among other things, a 0.5 m cable with Deutsch-plug belongs to the standard range of delivery.
PT-MH2 pressure transmitters are characterized by high operational safety:

- EMV 100 V/m (16 MHz to 1 GHz)
- vibration 50 g, 20 to 2800 Hz
- pressure cycles > 10 millions
- response time < 5 ms
- shock resistance 1000 g
- load dump ± 150 V
- short circuit and pole protected

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Technical data

Measuring range	➢ 0 … 60 bar ➢ 0 … 2000 bar
Output signal	PWM, variable frequency mixed signal ASIC for signal processing
Process connection	standard G 1/4 " form E optionally various pressure connections are available ➢ *see data sheet "Pressure connections"*
Type of protection according to DIN 40050	IP 65 to IP 69 K
Temperature of the medium	0 … +125 °C
Ambient temperature	-40 … +140 °C
Special features	load-dump-protection EMV-proof up to 300 V / m
Weight	90 g
Materials used	
Material of parts with contact to measuring medium: Case:	CrNi -steel hermetically tight welded CrNi -steel
Sensor element	stainless steel membrane (without oil receiver) thin-film technology (Poly-Si on SiO_2)
Resistant to pressure peaks	
Shock- and vibration-proof	
Electrical connection	Deutsch-plug
Total error	class 0.5 % (PWM - 500 Hz, f = 0.2 kHz to 1.2 kHz

Safety information

During installation, putting into service and operation of these pressure sensors, it is necessary to observe the relevant safety regulations that are in force in the country of the user (as for example, DIN VDE 0100).

Errors excepted; subject to alterations in the sense of technical improvement.

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