

Mobile Hydraulic Pressure Transmitters

Type MH-1

MH-1 pressure transmitters are precision engineered for off road and mobile hydraulic applications where performance and durability are critical. Extreme shock and vibration resistance, available high pressure steam wash down protection, and the WIKA CDS system (cavitation dampening system) provide one of the most rugged pressure transmitters available today. Pressure ranges from 1000psi to 8000psi meet all standard mobile hydraulic pressure applications.

The all welded thin film measuring cell eliminates the need for additional soft sealing materials that may deteriorate over time. The thin film sensor uses sputtered technology that provides excellent long-term stability in applications producing frequent pressure cycles. The thin film sensor is recessed into the hex to provide additional mechanical protection against system fluid loss in case the transmitter body is damaged.

The MH-1 is available with a range of environmental ratings from IP 65 to a cable version with IP 69K high pressure steam wash down protection ratings.

Each MH-1 undergoes extensive quality control testing and calibration to achieve an accuracy of $\leq 0.5\%$ full scale. Each is individually temperature compensated to assure accuracy and long-term stability even when exposed to severe ambient temperature variations.



Left: MH-1 with optional IP69k cable assembly
Center: MH-1 with M12 x 1 connector
Right: MH-1 with Mini DIN L-connector

Datasheet: MH-1
Available on www.wika.com

Type MH-1 OEM Mobile Hydraulic Pressure Transmitter 1,000 psi to 8,000 psi

Standard Features: See Datasheet MH-1



MH-1 Option List

Feature
Signal Output
4... 20 mA, 2-wire
1... 5 V, 3-wire
On inquiry
Unit
psi
On inquiry
Pressure Range
0 psi ... 1000 psi
0 psi ... 1500 psi
0 psi ... 2000 psi
0 psi ... 3000 psi
0 psi ... 5000 psi
0 psi ... 8000 psi
On inquiry
Process Connection
1/4" NPT
On inquiry
Damping
Without
0.6 mm Diameter Pressure Port for Pressure Spike Protection

Feature
Electrical Connection
4 Pin Locking Pin M12 x 1 (NEMA 4 / IP 65)
Minature L-plug Connector DIN EN 175301-803 C, 8 mm, (NEMA 4 / IP 65)
Cable with Free Ends (NEMA 4 / IP 67)
On inquiry
Cable Length
Without
5 feet
10 feet
20 feet
30 feet
On inquiry
Quality Certificates
Without
Other - please specify
Digital Display
Without
Digital Display
Additional Order Details
Without
Additional Text

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