



PRODUCT OVERVIEW

PRESSURE MEASUREMENT

MAC Sensor Co.,LTD.
Changsha City,Hunan,China
<http://www.macsensor.com>

TEL: +86-731-89975636 / 89975645

MAC Sensor Co.,LTD.

P1502 Hammer Union Pressure Sensor



Characteristics

- ☆0.5%F.S accuracy
- ☆Good long-term stability $\pm 0.2\%FS/year$
- ☆Fast dynamic response, strong resistance to fatigue & eccentric load
- ☆Durable and sturdy structure with perfect sealing
- ☆Anti-corrosion, anti-vibration, anti-impact
- ☆Anti-inteference circuit for complex applications
- ☆IP67 high protection class

Applications

- ☆Piston pump equipment
- ☆Acidification process
- ☆Fracturing/cementing trucks
- ☆Choke manifold
- ☆Oil and gas drilling
- ☆Wellhead measurement
- ☆Mud pump/mud logging
- ☆New well development and production

Profiles

P1502 hammer union pressure sensor can be compatible with the Weco® hammer union FIG1502. The materials used meet the standards set by the American ASTM and AISI, ensuring quality and reliability.

It uses a fully welded integrated structure, which offers improved airtightness during the joint process with the union connector. This design minimizes the risk of medium leakage caused by the structure and offers enhanced safety especially in the petroleum industry.

P1502 is constructed with stainless steel packaging and utilizing 17-4PH alloy for the wet parts, and a built-in anti-interference amplifier circuit. This transmitter is capable of delivering reliable signal output even in complex conditions. It utilizes a spherical seal, facilitating easy installation and usability. It is suitable for various exploration and mining working conditions, including the challenging environment in oil field stimulation and circulation, petrochemical, shipbuilding, offshore engineering, and aerospace industries.

Specifications

Parameter	P1502
Inlet pressure interface	2 Inch 51mm tube, Weco® hammer Union FIG1502
Measuring range	0~5000Psi, 0~6000Psi,0~10000Psi,0~15000Psi,0~20000Psi optional
Accuracy	0.5%FS or by customized
Safe overload pressure	200%F.S or customized
Burst overload pressure	≤400MPa or customized
Output	4~20mA, 0~5V optional
Powered by	10~36VDC
Operating temperature	-40℃~125℃
Long-term stability	±0.2%FS/year
Zero temperature drift	±0.1%FS/10℃ or customized
Full scale temperature drift	±0.3%FS/10℃ or customized
Response time	≤1 millisecond
Shell material	316 stainless steel
Wet part material	17-4PH
Insulation resistance	≥1000MΩ/500VDC
EMC electromagnetic field radiation anti-interference	GB/T 17626.3-2016
EMC electrostatic discharge anti-interference	GB/T 17626.2-2018
Electrical connections	4/6 pin aviation connector
IP rating	IP67

Order Information

Item	P1502 (Model)	1	A	S51	1	A
Electrical connection	1=4-pin aviation connector 2=6-pin aviation connector					
Output	A= 4-20mA D=0-5V					
Power Supply	S51=10-36Vdc					
Pressure Measurement	1=5000Psi 2=6000Psi 3=10000Psi 4=15000Psi 5=20000Psi					
Accuracy	1=0.5%F.S X=By customized					