

Hammer Union 1502 Fitting Pressure Transmitter



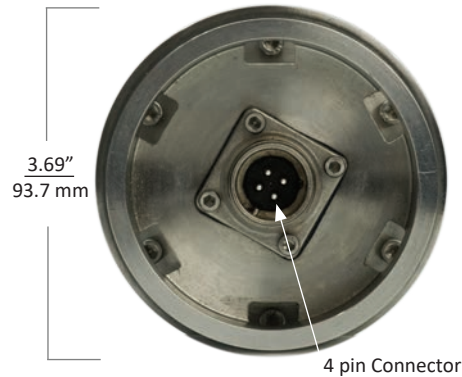
The Hammer Union Pressure Transmitter is designed for the rugged environments of land based and offshore drilling installations including Mud Logging and Measurement while drilling.

Features

- Ranges to 15,000 psi
- 4-20 mA or 0-5 VDC output
- WECO® 1502 fitting for 2" line
- Exceptional shock and vibration resistance
- $\pm 0.25\%$ accuracy of full scale
- CSA/ATEX/IECEX Approved



Hammer Union 1502 Specifications



Performance

- Accuracy (linearity, hysteresis, & repeatability): $\pm 0.25\%$ of full scale (BFSL)
- Standard Pressure Ranges: 0-20,000 psia
- Overpressure - 1.5 times full scale, 22.5 kpsi, or limit of WECO® fitting, whichever is smallest
- Burst Pressure - 3 times full scale, 22.5 kpsi, or limit of WECO® fitting, whichever is smallest
- Compensated Temp: -40 - 65°C (-40 - 150°F)
- Temp Effects on Zero & Span: $\pm 0.026\%$ FSO/°C ($\pm 0.01\%$ FSO/°F)
- Life: 10 million cycles minimum
- Frequency Response: Less than 5ms

Environmental

- Storage Temp: -50 - 120°C (-50 - 248°F)
- Operating Temp: -40 - 85°C (-40 - 185°F)
- Enclosure Protection: IP67

Certification

- CSA/cCSAus Contract #237484
- IS: Class 1, Division 1; Groups C & D
Class 1, Zone 0, AEx ia IIB T4
Ex ia IIB T4
Ambient: -40 - 85°C
- ATEX: 4-20 mA
CE 0344 EX II 1G Ex ia IIB T4 Ga
(Ta = -40°C to +85°C)
- IECEx: 4-20 mA
EX ia IIB T4 Ga (Ta = -40°C to +85°C)

Connectivity

- Output Signal @ 21°C:
4-20 mA: 3-30 mA max
0-5 VDC: 110 mA inrush current
0-5 VDC: 3.5 mA operating current

Electrical

- Supply Voltage: 10-28 VDC on sensor
- Loop Resistance: 1012 ohms @ 28 VDC decreasing linearly to 0 ohms @ 10 VDC
- Insulation Resistance: >100 megaohms @ 500 VAC, 70°C
- Shunt Cal: 100% of full scale output



Physical

- Wetted Materials: Conforms to NACE MR-01-75 and ISO 15156-3 standards
- Incoloy

