

Hammer Union 2002/2202 Fitting Pressure Transmitter



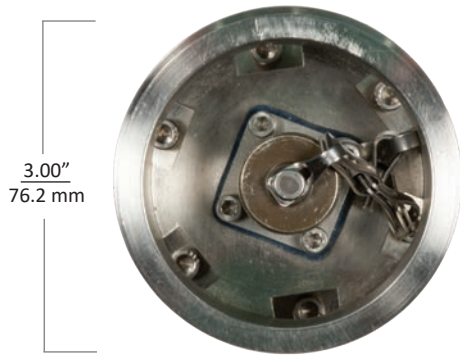
The Hammer Union Pressure Transmitter is designed for the rugged environments of land based and offshore drilling installations including Mud Logging and Measurement while drilling.

Features

- Ranges to 20,000 psi
- 4-20 mA or 0-5 VDC output
- WECO® 2002/2202 fitting for 2" line
- Exceptional shock and vibration resistance
- $\pm 0.25\%$ accuracy of full scale
- CSA/ATEX/IECEX Approved



Hammer Union 2002/2202 Specifications



Performance

- Accuracy (linearity, hysteresis, & repeatability): $\pm 0.25\%$ of full scale (BFSL)
- Standard Pressure Ranges: 0-20,000 psis
- 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

