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
- ±0.25% accuracy of full scale
- CSA/ATEX/IECEx Approved
Hammer Union 1502 Specifications

Performance
• Accuracy (linearity, hysteresis, & repeatability): ±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 - 65ºC (-40 - 150ºF)
• Temp Effects on Zero & Span: ±0.026% FSO/ºC (±0.01% FSO/ºF)
• Life: 10 million cycles minimum
• Frequency Response: Less than 5mS

Environmental
• Storage Temp: -50 - 120ºC (-50 - 248ºF)
• Operating Temp: -40 - 85ºC (-40 - 185ºF)
• 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 - 85ºC
• ATEX: 4-20 mA
  CE 0344 EX II 1G Ex ia IIB T4 Ga
  (Ta = -40ºC to +85ºC)
• IECEx: 4-20 mA
  EX ia IIB T4 Ga (Ta= -40ºC to +85ºC)

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

Connectivity
• Output Signal @ 21ºC:
  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, 70ºC
• Shunt Cal: 100% of full scale output
Model Configuration Options

Model Number: HU - ____ - IS - ____ - PSIS - ____ - ____ - ____

A. Output

- L24  4-20 mA
- L27  0-5 VDC

B. Pressure Range

- 5K  0 - 5,000 psis
- 6K  0 - 6,000 psis
- 10K 0 - 10,000 psis
- 15K 0 - 15,000 psis

C. Electrical Connection

4-20 mA Output Options

- E1  4 pin 'Mini' (w/ Shunt Cal)
- E2  5 pin 'Mini' (w/ Shunt Cal)
- E6  3 pin Turck Minifast [RSFVL36]
- E7  4 pin Reverse Bayonet (w/ Shunt Cal)
- E8  5 pin Threaded MS3102 (w/ Shunt Cal)
- E9  3 pin Threaded MS3102
- E11 4 pin Threaded MS3102
- E13 7 pin Jupiter/Souriau (w/ Shunt Cal)
- E15 6 pin Bayonet (w/ switched Shunt Cal)
- E18 4 pin Rota (w/ Shunt Cal)
- E20 4 pin Turck minifast [P-RSFV 40-0.3]
- E28 6 pin Bayonet
- E40 3 pin Bayonet (w/ Shunt Cal)
- E45 6 pin Bayonet (w/ Shunt Cal)
- E49 6 pin Bayonet (w/ Shunt Cal)

0-5 VDC Output Options

- E3  4 pin Threaded MS3102
- E14 6 pin Bayonet (w/ switched Shunt Cal)

4-20 mA Direct Wiring Options w/ Shunt Cal

- E5  1/2 NPT coupling, flying leads
- E10 Junction Box
- E17 1/2 NPT coupling, 10' cable, flying leads

D. Fitting

- P34  Large HU 1502 WECO® fitting
- P36  Large Welded HU 1502 WECO® fitting

E. Enclosure

- K0  No options (standard)
- K7  With handle*
- K1  With protective cage assembly*

*Consult factory

Common Model Configurations

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
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</thead>
<tbody>
<tr>
<td>HU-L24-IS-5K-PSIS-E15-P36-K0</td>
<td>4-20mA Output, 6 pin Bayonet w/Shunt Cal, 0-5,000 PSIS, Welded 1502 fitting</td>
</tr>
<tr>
<td>HU-L24-IS-10K-PSIS-E15-P36-K0</td>
<td>4-20mA Output, 6 pin Bayonet w/Shunt Cal, 0-10,000 PSIS, Welded 1502 fitting</td>
</tr>
<tr>
<td>HU-L24-IS-15K-PSIS-E15-P36-K0</td>
<td>4-20mA Output, 6 pin Bayonet w/Shunt Cal, 0-15,000 PSIS, Welded 1502 fitting</td>
</tr>
<tr>
<td>HU-L24-IS-5K-PSIS-E16-P36-K0</td>
<td>4-20mA Output, 4 pin threaded MS1302 w/Shunt Cal, 0-5,000 PSIS, Welded 1502 fitting</td>
</tr>
<tr>
<td>HU-L24-IS-10K-PSIS-E16-P36-K0</td>
<td>4-20mA Output, 4 pin threaded MS1302 w/Shunt Cal, 0-10,000 PSIS, Welded 1502 fitting</td>
</tr>
<tr>
<td>HU-L24-IS-15K-PSIS-E16-P36-K0</td>
<td>4-20mA Output, 4 pin threaded MS1302 w/Shunt Cal, 0-15,000 PSIS, Welded 1502 fitting</td>
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Hammer Union Pressure Transmitter

Built for the Toughest Applications

Automation Products Group, Inc. brings you the highest quality hammer union pressure transmitter on the market.

There’s a reason why so many are switching to the APG hammer union pressure transmitter. We use a NACE compliant nickel alloy and welded construction for the toughest applications in Oil & Gas drilling and production.

Next time you need a hammer union pressure transmitter, call us at (888) 525-7300.

- **Short Lead Times**
  - As little as 2 weeks

- **Haz Location Certifications**
  - Class 1, Division 1; Groups C & D
  - Class 1, Zone 0
  - ATEX II 1G Ex ia IIB T4 Ga
  - IECEx EX ia IIB T4 Ga

- **Drain Holes**
  - Saves your connector
  - Prevents leaks

- **NACE Compliant Nickel Alloy**
  - NACE MR-01-75
  - ISO 15156-3
  - We never sacrifice quality

- **Optional Halo Cage**
  - Toughest cage design on the market

- **Wide Top Access**
  - Just another way we make it easy on you

- **Welded Construction**
  - Built for high vibration
  - Field-proven in applications such as Measurement While Drilling

- **1502 & 2002/2202 Fittings**
  - 1502 shown, 2002/2202 available