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 = -40°C to +85°C)
- IECEx: 4-20 mA
- EX ia IIB T4 Ga (Ta= -40°C to +85°C)

**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

**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

**Physical**
- Wetted Materials: Conforms to NACE MR-01-75 and ISO 15156-3 standards
- Incoloy
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>
</tr>
</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.

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

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

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

Drain Holes
- Saves your connector
- Prevents leaks

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