

# Hammer Union 1502 Fitting Recalibratable Incoloy Pressure Transmitter Series: HU1502I



The Hammer Union 1502 Fitting Recalibratable Incoloy Pressure Transmitter is designed for the rugged environments of land-based and offshore drilling installations, including Mud Logging and Measurement While Drilling. The incoloy wetted material is NACE compliant and suitable for sour gases. And the recalibration port allows for digital zero and span setting. With all that, and Class I, Div 1 Intrinsically Safe certification, the HU1502I delivers accurate measurements in the most adverse conditions.

## Features

- Ranges to 20,000 psi
- 4-20 mA or 0-5 VDC output
- WECO® 1502 fitting for 2" line
- ±0.25% accuracy of full scale
- Exceptional shock and vibration resistance
- Digital recalibration port
- CSA/ATEX/IECEx Approval



# Hammer Union 1502I Specifications



## Performance

- Accuracy (linearity, hysteresis, & repeatability):  $\pm 0.25\%$  of full scale (BFSL)
- Standard Pressure Ranges: 0-20,000 psis
- Overpressure: Smaller of 1.5 times full scale, or limit of WECO® fitting
- Burst Pressure: 3 times full scale, or limit of WECO® fitting, whichever is smallest
- Temp Effects on Zero & Span:  $\pm 0.026\%$  FSO/ $^{\circ}\text{C}$  ( $\pm 0.01\%$  FSO/ $^{\circ}\text{F}$ )
- Life: 10 million cycles
- Frequency Response: Less than 5mS

## Environmental

- Operating Temp: -40 - 85°C (-40 - 185°F)
- Compensated Temp: -40 - 65°C (-40 - 150°F)
- Storage Temp: -50 - 120°C (-58 - 248°F)
- Enclosure Protection: IP67/IP65

## Certification

- CSA/cCSAus Contract #237484
- IS: Class I, Division 1; Groups C & D  
Class I, 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

## Programming

- Recalibration via programming unit  
(purchase separately - powered by USB)

## Physical

- Wetted Materials: Incoloy  
Conforms to NACE MR-01-75 and ISO 15156-3 standards
- Housing: 316L Stainless Steel

# Common Model Configurations

Model Number	Model Description
HU1502I-L24-5K-PSIS-E15-K0	4-20mA Output, <b>6 pin Bayonet w/switched Shunt Cal, 0-5,000 PSIS</b> , Incoloy recalibratable
HU1502I-L24-10K-PSIS-E15-K0	4-20mA Output, <b>6 pin Bayonet w/switched Shunt Cal, 0-10,000 PSIS</b> , Incoloy recalibratable
HU1502I-L24-15K-PSIS-E15-K0	4-20mA Output, <b>6 pin Bayonet w/switched Shunt Cal, 0-15,000 PSIS</b> , Incoloy recalibratable
HU1502I-L24-5K-PSIS-E16-K0	4-20mA Output, <b>4 pin threaded MS3102 w/Shunt Cal, 0-5,000 PSIS</b> , Incoloy recalibratable
HU1502I-L24-10K-PSIS-E16-K0	4-20mA Output, <b>4 pin threaded MS3102 w/Shunt Cal, 0-10,000 PSIS</b> , Incoloy recalibratable
HU1502I-L24-15K-PSIS-E16-K0	4-20mA Output, <b>4 pin threaded MS3102 w/Shunt Cal, 0-15,000 PSIS</b> , Incoloy recalibratable

## HU1502I Accessories

Please order separately, by part number.

Description	Part Number
Programming Module (with 3.5mm connector)	200014
Replacement 1/8" NPT plug	200006



