

Thank You

Thanks for purchasing a Recalibratable HU1502I Hammer Union Pressure Transmitter from us! We appreciate your business and your trust. Please take a moment to familiarize yourself with the product and this manual before installation. If you have any questions, at any time, don't hesitate to call us at 888-525-7300. You can also find a full list of our product manuals at: www.apgsensors.com/resources-user-manuals/

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1 Description

APG's Recalibratable Hammer Union Pressure Transmitters are designed for the environments of land-based and offshore drilling installations. Designed specifically for use with the 1502 Hammer Wing Union, the HU1502I features a NPT-sealed port for digital zero and span recalibration. The HU1502I is constructed from NACE-compliant incoloy for use with sour gases and in corrosive environments.

The HU1502I is certified intrinsically safe for hazardous areas in the US, Canada, Europe and internationally by CSA, ATEX, and IECEx for Class I, Zone 0, and Class II, Division 1, Groups C and D environments.

2 How To Read Your Label

Each label comes with a full model number, a part number, and a serial number. The model number for your Hammer Union Pressure Transmitter will look something like this:

▲ SAMPLE: HU1502I-L24-10K-PSIS-E15-K0

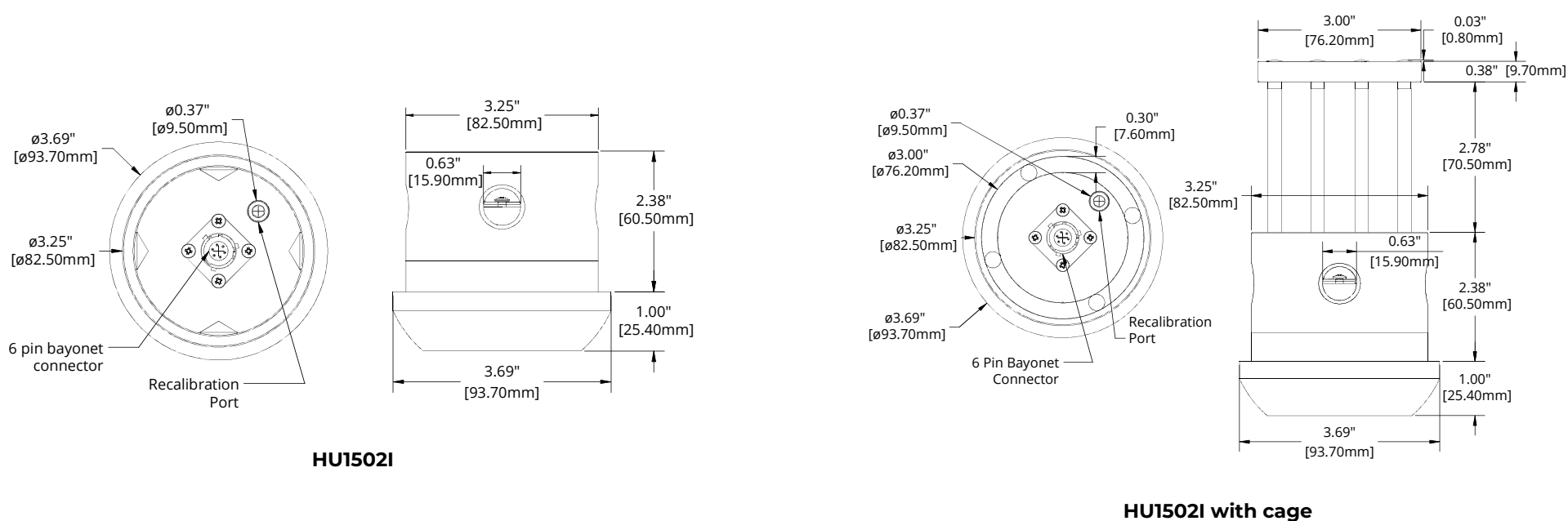
The model number correlates with all the configurable options and tells you exactly what you have. Compare the model number to the options on the datasheet to identify your exact configuration. You can also call us with the model, part, or the serial number and we can help you. This label also includes the pinout.

3 Warranty

This product is covered by APG's warranty to be free from defects in material and workmanship under normal use and service of the product for 24 months. For a full explanation of our Warranty, please visit:

www.apgsensors.com/resources/warranty-certifications/warranty-returns/. Contact Technical Support to receive a Return Material Authorization before shipping your product back.

4 Dimensions



HAMMER UNION PRESSURE TRANSMITTERS

For The Recalibratable HU1502I

Installation Guide



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5 Mounting Instructions

Mounting your pressure transmitter is easy if you follow a few simple steps:

- Ensure mating union faces are clean, dry, and free of debris.
- Place Hammer Union Pressure Transmitter in socket.
- Place Hammer Union wing nut on transmitter and tighten into place.
- Hammer wing nut until tight.

Specific Conditions of Use

- To maintain IP67/65 rating, the equipment shall be installed with a certified IP67/65 mating connector.
- This device must be connected to an approved safety barrier.

⚠ DANGER: Mismatched unions and nuts can result in dangerous or hazardous equipment failures. Always check identifications on both union pieces and nuts prior to installation. Only use pieces with matching union figure numbers, sizes, and pressure ratings.

ⓘ IMPORTANT: Refer to section 12 for Hazardous Location Wiring.

ⓘ IMPORTANT: Recalibration HU1502I Hammer Union Pressure Transmitters **MUST** be installed according to drawing 9002460 (Intrinsically Safe Wiring Diagram) to meet listed approvals. Faulty installation will invalidate all safety approvals and ratings.

6 Wiring Information

The label on your Recalibratable HU1502I Pressure Transmitter includes the pinout table for your device. Check that your electrical system wiring matches the pinout table on your device prior to electrical installation.

7 Calibration Shunt Procedure

APG's Hammer Union Pressure Transmitters provide a true 20.0 mA or 5 VDC calibration shunt output when 10 to 28 VDC is applied to the designated + Shunt Cal pin. See the pinout chart on your Hammer Union Pressure Transmitter's label.

8 General Care

Your Recalibratable HU1502I Pressure Transmitter is designed to be maintenance free. As such, there are no customer servicable parts on or in the device. However, in general, you should:

- Avoid touching the diaphragm. Contact with the diaphragm, especially with a tool, could permanently shift the output and ruin accuracy.
- Clean the diaphragm or the diaphragm bore only with extreme care. If using a tool is required, make sure it does not touch the diaphragm.
- See Section 10 Recalibration for recalibration instructions.

9 Repair & Return Information

If your pressure transmitter needs repair, contact us via email, phone, or online chat on our website. We will issue you an RMA number with instructions.

- Phone: 888-525-7300
- Email: sales@apgsensors.com
- Online chat at www.apgsensors.com

IMPORTANT: All repairs of the Recalibratable HU1502I Pressure Transmitter must be made by the factory. Modifying, disassembling, or altering the Recalibratable HU1502I Pressure Transmitter, other than factory approved recalibration, is strictly prohibited.

10 Recalibration

Please refer to the HU1502I user manual or the HU1502I Recalibration Instruction Guide for full set up and recalibration instructions. A 24 VDC source, an ammeter or voltmeter, and a test station capable of applying full scale pressure to the HU1502I are required for recalibration.

User Manual: www.apgsensors.com/resources-user-manuals/

Recalibration: www.apgsensors.com/resources/product-resources/software-downloads

11 Removal Instructions

Removing your Recalibratable HU1502I Pressure Transmitter from service must be done with care. It's easy to create an unsafe situation if you are not careful to follow these guidelines:

- Make sure the pressure is completely removed from the line where your sensor is installed. Follow any and all procedures for safely isolating any media contained inside the line.
- Remove the Hammer Union wing nut.
- Remove your Hammer Union Pressure Transmitter.
- Clean the sensor's fitting and diaphragm of any debris (see instructions in Section 8 above) and inspect for damage.
- Store your sensor in a dry place, at a temperature between -40° F and 180° F.

DANGER: Removing your Hammer Union Pressure Transmitter while there is still pressure in the line could result in injury or death.

12 Hazardous Location Wiring

Intrinsically Safe Wiring (4-20mA / 0-5VDC Output)

