



1021 and 2021 LOOP POWERED PRESSURE TRANSMITTER

Data and Configuration Sheets



Specifications:

- Pressure Range: Up to 30K
- Rig Powered Instrumentation

1. PRESSURE RANGE (SELECT ONE)

☐ 5KPSI ☐ 6KPSI ☐ 10KPSI ☐ 15KPSI ☐ 16KPSI ☐ 20KPSI ☐ 30KPSI

2. SENSOR CONNECTION (SELECT ONE)



- ☐ 2" 1502 Hammer Union
(Standard)
- ☐ 2" 1502 H2S Hammer Union



- ☐ 9/16" Autoclave Sensor
- Note: Only Compatible with
HDI Autoclave Flanges



- ☐ 2" 2002 H2S Hammer Union
- ☐ 2" 2202 H2S Hammer Union

3. AUTOCLAVE FLANGES (MUST SELECT 9/16" AUTOCLAVE SENSOR)

Specify Pressure Rating and Size

Pressure Rating: ☐ 5M. ☐ 10M ☐ 15M ☐ 20M

Size: ☐ 1 13/16" ☐ 2 1/16" ☐ 3 1/16"



HDI Instruments, LLC is a registered ISO 9001:2015 company.
Copyright 2021 HDI Instruments, LLC

HDI Instruments, LLC USA | 7240 BRITTMORE ROAD, SUITE 119 | HOUSTON, TX 77041 USA
Phone: 713-688-8555 | Fax: 713-688-2228
Email: info@hdigauges.com
Website: www.hdigauges.com

Version 1.7, August 2021

SAFETY
PRECISION
INNOVATION

WELL CONTROL MONITORING AT ITS FINEST

**HDI**

1021 and 2021 PRESSURE TRANSMITTERS

Data and
Configuration
Sheets

4. CROSSOVER FLANGES / WYE ADAPTERS (MUST SELECT 1502, 2002, OR 2202 HAMMER UNION SENSOR)

For Wye Adapter: 1502 Connection Only

For Cross Over Flange: Specify Pressure Rating, Size, and Connection Type below.

Pressure Rating: ☐ 5M ☐ 10M ☐ 15M ☐ 20M

Size: ☐ 1 1/16" ☐ 2 1/16" ☐ 3 1/16"

Connection Type: ☐ 1502 ☐ 2002 ☐ 2202



Cross Over Flange

Wye Adapter

5. CABLE

The 2021 Pressure Transmitter System does not include any cable. 4-20mA Output Cable is required for new orders; clients with existing 4-20mA Output Cable may use the existing cable with a new 2021 Pressure Transmitter System. Cable is purchased in 5' increments.

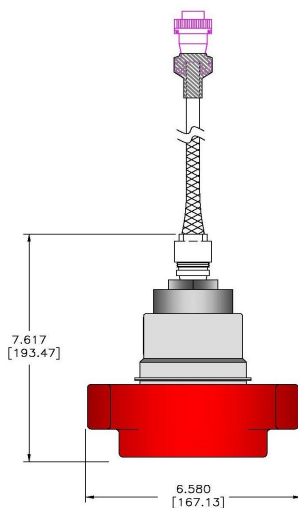
- ☐ 4-20mA Output Cable: Distance from 2021 Pressure Transmitter to Local J-Box Termination

6. CERTIFICATION

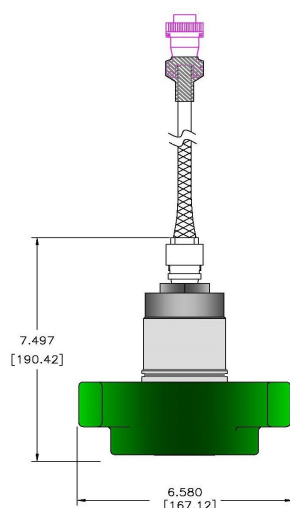
- ☐ CSA: Intrinsically Safe Class 1, Division 1, Groups A, B, C, and D (Standard)
- ☐ ATEX: optional, II 1 G, Ex ia IIC T4
- ☐ IECEx (in process)



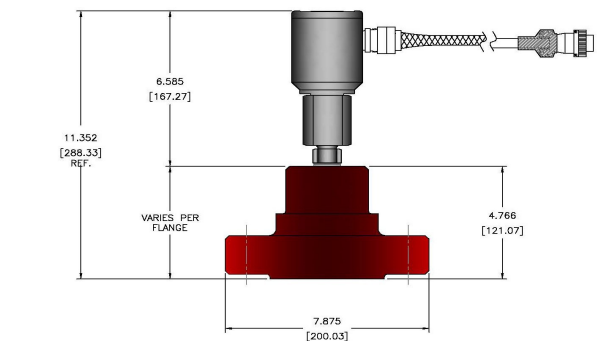
APPENDIX A: DIMENSIONS



2" 1502 HAMMER UNION SHOWN



2" 2202 HAMMER UNION SHOWN



*2-1/16" 10M API FLANGE H2S PSL LEVEL 3 WITH BX152 RING GROOVE SHOWN

HDI Instruments, LLC is a registered ISO 9001:2015 company.
Copyright 2021 HDI Instruments, LLC

HDI Instruments, LLC USA | 7240 BRITTMORE ROAD, SUITE 119 | HOUSTON, TX 77041 USA
Phone: 713-688-8555 | Fax: 713-688-2228
Email: info@hdigauges.com
Website: www.hdigauges.com

Version 1.7, August 2021

**SAFETY
PRECISION
INNOVATION**

WELL CONTROL MONITORING AT ITS FINEST

**HDI****1021 and 2021
PRESSURE TRANSMITTERS**Data and
Configuratio
n Sheets**APPENDIX B: REPLACEMENT PARTS**

Part Number	Description
HDI20000600STDAA	600 Bar Pill And Temp Comp Board Assy For 6K or 10K PSI Pressure Gauge Sensors
HDI20001000STDAA	1000 Bar Pill And Temp Comp Board Assy For 10K or 16K PSI Pressure Sensors
CONTACT HDI FOR PRODUCT CONFIGURATION	Pill Replacement Kit: Includes Pill Rubber Diaphragm, Snap Ring, Rubber Grommet for Kellum's Grip Design (Wire Mesh, Post 2009), Rubber Grommet for M983 Design (No Wire Mesh, Pre 2009), and Pill Insertion Tool

HDI Instruments, LLC is a registered ISO 9001:2015 company.
Copyright 2021 HDI Instruments, LLC

HDI Instruments, LLC USA | 7240 BRITTMORE ROAD, SUITE 119 | HOUSTON, TX 77041 USA
Phone: 713-688-8555 | Fax: 713-688-2228
Email: info@hdigauges.com
Website: www.hdigauges.com

Version 1.7, August 2021

**SAFETY
PRECISION
INNOVATION**

WELL CONTROL MONITORING AT ITS FINEST