



## 1021 / 2021 PRESSURE TRANSMITTER SYSTEM

### DATA SHEET



#### APPLICATION

The HDI 2021 Pressure Transmitter is an intrinsically safe, certified, field-repairable 4-20mA transmitter built with high quality components HDI is known for throughout its line of products. The transducer (sensor) is an embedded strain gauge placed in a stainless steel housing. HDI's Transmitter is unique because of its field repairability. If the pill or internal board are damaged due to use over time, the user is able to order the spare parts necessary to fix the unit quickly onsite, reducing downtime and saving on overall cost. Video tutorials are available to assist in the repair online.

The 2021 Transmitter is commonly housed in a 1502 Hammer Union. However, the customer may specify a variety of housings to suit their application (2" 1502 Hammer Union, 2" 2202 Hammer Union, or a flanged connection). The transmitter is delivered as a complete assembly ready for installation. All HDI Transmitters provide safety, accuracy, reliability, and low maintenance for the user.

#### FEATURES

- 4-20mA output
- Field repairable system
- 5,000 psi, 6,000 psi, 10,000 psi, 15,000 psi, 16,000 psi (For higher pressure, call for availability.)
- 2" 1502, 2" 2202, or 9/16" Autoclave x Flanged Connections

#### CERTIFICATIONS (2021 MODEL ONLY)

- **CSA**
- **AETX**



**SAFETY**  
**PRECISION**  
**INNOVATION**

WELL CONTROL MONITORING AT ITS FINEST

## SPECIFICATIONS

- Weight: 18.2 lbs (as shown with 1502 hammer union)
- Accuracy: 0.5% of full scale to NIST
- Pressure Range: 5,000psi, 6,000psi, 10,000psi, 15,000psi, 16,000psi resolutions
- Power: Customer supplied 24 vdc
- Media (Process) Temperature: -30°F to 212°F (-30°C to 100°C)
- Sensor Housing: 2" 1502, 2" 2202, 9/16" Autoclave x Flanged Connections
- Sensor Protection: Primary and secondary rubber diaphragms
- Media Pressure Port: Fluids compatible with 410 QDT stainless steel (17-4 or 718 inconel available upon request)
- Maximum 4-20mA Output Cable Length: 250 feet

## DIMENSIONS

All dimensions given are in inches and [millimeters] unless otherwise noted.

