

HDI

2000P PRESSURE GAUGE SYSTEM DATA SHEET



APPLICATION

The HDI 2000P Pressure Gauge is an intrinsically safe, certified, solid-state electronic pressure gauge primarily used for Standpipe, Pumping, and Cementing applications. The 2000P can act as a primary or secondary pressure readout for the user. It is easily readable regardless of the lighting conditions. The HDI 2000P is used where indication at the point of measurement is a must while also needing to handle high vibration and/or rugged environments. This model offers pressure ranges up to 16,000 psi with accuracy of 0.5% of full scale to NIST. It is based on the M100 (non-certified version) which has been used in the field for over 10 years and is based on HDI's 30 year field proven platform. All HDI Gauges provide safety, accuracy, reliability, and low maintenance for the user.


FEATURES

- Battery powered
- Field repairable system
- Low battery indicator
- 6,000 psi, 10,000 psi, 16,000 psi, 20,000 psi, kPa and bar equivalents included
- 10 psi resolution
- 2" 1502, 2" 2202, or flanged connections
- Solid state platform; no fluids or moving parts
- Analog bar graph w/ divided scale
- Consistent performance in high vibration environments
- Simple interface for calibration

OPTIONS

- 4-20mA output
- 0-1 volt output
- Slave, secondary displays available

CERTIFICATIONS

- **CSA:** Intrinsically Safe Class 1, Division 1, Groups A, B, C and D
 - Certification for 20,000 psi pending.
- **ATEX:** optional,  II 1 G, Ex ia IIC T4
- **IECEx**

SAFETY
PRECISION
INNOVATION

WELL CONTROL MONITORING AT ITS FINEST

SPECIFICATIONS

- Weight: 25.1 Lbs. (as shown with 1502 Hammer Union)
- Case Material: High impact polyurethane
- Accuracy: 0.5% of full scale to NIST
- Pressure Range: 6,000 psi, 10,000 psi, 16,000 psi resolutions and kPa/bar equivalents
- Engineering Units: psi, bar, and kPa available
- Resolution: 10 psi increments
- Power: HDI E260 Battery Pack, 1 year life span
- Gauge Head Operating Temperature: -40°F to 176°F (-40°C to 80°C)
- Media (Process) Temperature: -30°F to 212°F (-30°C to 100°C)
- Display: 5 digit digital display, circular analog bar graph, low battery indicator
- Viewing Distance: 30 feet
- Electronics Protection: Weatherproof sealed and mounted in shock protection material
- Front Panel Protection: 1/4" thick clear lens
- Sensor Housing: 2" 1502, 2" 2202, flanged connections
- Sensor Protection: Primary and secondary rubber diaphragms
- Media Pressure Port: Fluids compatible with 410 QDT stainless steel

DIMENSIONS

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

