



1000B / 2000B PRESSURE GAUGE SYSTEM

DATA SHEET



APPLICATION

The HDI Pressure Gauge is the product HDI was founded on. The HDI 2000B is our latest battery-operated cornerstone product; it is an intrinsically safe, certified, solid-state electronic pressure gauge primarily used for choke console applications. It is easily readable regardless of the lighting conditions. HDI routinely builds, installs, and services custom HDI 9000 Choke Console Systems designed with HDI 2000B gauges, but the 2000B can also be purchased to retrofit standard 6" hydraulic gauges or for OEM use.

HDI additionally offers stand-alone monitoring systems with the 2000B – anywhere the user needs a primary and/or secondary (slave option available) display. This model offers pressure ranges up to up to 20,000 psi with accuracy of 0.5% of full scale to NIST. Each 2000B is comprised of a Gauge Display, Inline Cable, and Sensor Assembly allowing the display to be close or far from the connection point. It has been used in the field for over 25 years and is based on HDI's 25 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
- 30 psi to 20,000 psi pressure rangee (Call for higher pressure) kPa and bar equivalents included
- 1" Male NPT, 2" 1502, 2" 2202, or 9/16" Autoclave x Flanged Connections
- Solid state platform; no fluids or moving parts
- Analog bar graph w/ divided scale
- Simple interface for calibration

OPTIONS

- 4-20mA output (additional barrier required)
- Backlight, 12VDC or 24VDC required (non-certified option)
- 0-1 volt output
- Slave, secondary displays available

CERTIFICATIONS (2000B MODEL ONLY)

- CSA
- ATEX
- IECEx



**SAFETY
PRECISION
INNOVATION**

WELL CONTROL MONITORING AT ITS FINEST

SPECIFICATIONS

- Weight: 3.4 Lbs (as shown gauge display only)
- Case Material: black phenolic, aluminum optional
- Accuracy: 0.5% of full scale to NIST
- Pressure Range: From 30 psi to 20,000 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: Gasket seal
- Front Panel Protection: 0.015" clear lens
- Sensor Housing: 1" Male NPT, 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 & 718 inconel upon request)
- Mounting: Standard 3-hole and 4-hole mounting patterns
- Maximum Inline Cable Length (distance from gauge head to point of measurement): 1,500 feet
- Maximum 4-20mA Output Cable Length: 250 feet

DIMENSIONS

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

