

Application

For use on drilling rig standpipe where the gauge must be easily read in all lighting conditions. Intended for use in high vibration outdoor environment, where pressure and temperature fluctuations may occur (such as gas kicks). Suitable for corrosive environments compatible with 316 stainless steel wetted parts.

Size

Viewing Area 4.50 inch diameter

Accuracy

+/- 0.5% of span

Sensor

Micro machined piezoresistive silicone pressure sensor

Compensation Operating Temperature

-20°C to +85°C

Operating Temperature

-40°C to 125°C

Calibration

All gauges calibrated by Paroscientific DigiQuartz NIST Portable Standard

Connection

2-inch NPT Male/1-inch NPT Female Combo
1502 Hammer Union
Flange (optional)

Case

High impact polyurethane

Internal Electronics Protection

All internal electronics shock mounted in protective foam

Weather Protection

Weather resistant case with water/oil tight gaskets

Standard Scales

6000, 10000 PSI, 45000 Kpa

Window

Anti-Glare Acrylic

Display Type

Transflective Liquid Crystal Display Viewable In Direct Sunlight

Digital Readout

Seven Segment - With Five Digits (1-inch Tall x 0.5 Inch Wide)

Analog Display

Multi-Segment Semi-Circular Bar Graph For Relative Indications

LCD BackLight

57,000 Candela Ultra Bright White LED Array

LCD BackLight Power

110VAC input to 3VDC output power converter with thermal circuit interrupters on both input and output. Contained in sealed metal case.

LCD BackLight Power Cable

Marine Shipboard Shielded Cable CSA Rated with military waterproof MS connectors



Pressure Connection Wrench Flat

Designed for 2-5/8" wrench

Viewing Range

For 20/20 Eyesight not less than 30 Feet

Surrounding Lighting Conditions

Designed to be easily viewed in Bright Sun, Dusk, Midnight, and Dawn including surrounding glare.

Window Gasket

Closed Cell Nitrile PVC Sponge

Temperature Error

+/- 0.75% of Span Over Temperature Range Of -20°C to +85°C with respect to 25°C

Thermal Hysteresis

0.05% of Span Over Temperature Range Of -20°C to +85°C with respect to 25°C

Pressure Non-Linearity

+/-0.25% Span - Best Fit Straight Line

Internal Battery Power

HDI One Year Power Pack continuously powers measurement and display circuitry in the event that backlight power is lost

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