

## HDI 100 MudGage

### Mud Pumps - Cementing - Standpipe - Manifold

The HDI 100 pressure gauge offers safety, accuracy, reliability, and large readouts in both digital and analog bar graph form. The HDI 100 is built to operate in the extreme temperatures and harsh conditions common in the oilfield, including normal field levels of vibration and shock. The threat of hydraulic tube ruptures and fluid leaks, serious operational and safety concerns, are eliminated with the HDI 100. HDI's advanced technology provides precise pressure indications to within 0.5% over the entire pressure range. The gauge reads both the minimum and maximum 10 PSI to the same degree of accuracy, ensuring that hydrostatic head pressure is precisely measured. Unlike hydraulic gauges, which fail to read low pressures, the HDI 100 maximizes low pressure safety with accurate pressure readings as low as 10 PSI. Because the gauge is digital and has no moving parts, downtime is significantly reduced and maintenance concerns associated with Bourdon tube assemblies and check valves are eliminated. The HDI 100 is provided with various connections for direct installation on stand pipes, mud pumps, manifolds and other applications where an accurate, reliable gauge is required.



## Digital Pressure Gauge Circular Analog Bar Graph 6,000, 10,000 and 16,000 PSI

### Specifications

<b>Dimensions</b>	7.5" O.D. x 4.5" deep x 13.75" high
<b>Weight</b>	7.5 Lbs
<b>Case Material</b>	Impact resistant molded polyurethane
<b>Pressure Range</b>	0 - 6,000, 0 - 10,000 or 0 - 16,000 PSIG
<b>Power</b>	Intrinsically Safe sealed HDI Power Pack
<b>Battery Life</b>	1-Year continuous operation
<b>Low Battery Indicator</b>	Battery shaped ICON appears when less than 30 days battery life remains
<b>Time Base</b>	Quartz crystal oscillator
<b>Accuracy</b>	0.5% of full scale (linearity, hysteresis, and repeatability)
<b>Resolution</b>	10 psi (from 0 psi to full scale)
<b>Engineering Units</b>	PSI standard
<b>Media Temperature</b>	-30 to 100°C
<b>Storage Temperature</b>	-40 to 100°C
<b>Display</b>	Liquid crystal with five-digit seven-segment 0.825 inch (21 mm) digital pressure, 100-segment circular analog bar graph, and low battery icon.
<b>Viewing Distance</b>	30 feet
<b>Electronics Protection</b>	Gasket seal
<b>Front Panel Protection</b>	Clear lens, 1/4 inch thick, with O-ring seal
<b>Connections</b>	2" male NPT, 1" female NPT, 1" Guiberson, 2" 1502, 2" 2202, flanges
<b>Sensor Protection</b>	Two levels of protection – replaceable primary and secondary diaphragms

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