



## Metior™ Analog Downhole Pressure Gauge

### Latest innovation in downhole gauges, designed for long-term reliability

Reliable equipment is especially important for cost sensitive operations where the consequences of failure can render a project uneconomic. With this in mind, we started with a blank sheet of paper to develop the Metior™ pressure gauge based on customer feedback.

The Metior™ analog gauge is a 4-20mA unit for shallow pressure measuring applications in wells. In use, they can be subjected to high levels of vibration and shock as well as corrosive action from well fluids and microbial action. These all lead to reduced overall reliability. In response, AnTech's engineering team have looked how to mitigate each of these problems one by one.

The units feature a mixture of corrosion resistant alloys and lower cost stainless steels. A rubber sleeve extends over the join between the gauge and the encapsulated control line to provide complete protection. Inside, the electronics are securely mounted to withstand vibration.

Useability has not been forgotten with the small gauge offered with both a dual seal and pressure testable version depending on preference. As a design qualification, we have tested in accordance with AWES "Recommended Practice For Qualification of Downhole Sensors" to provide a quantifiable performance benchmark.



### Features & Benefits

- **Low profile and short length** to fit conveniently in the radial space.
- **Protective sleeve** to eliminate corrosion and protect from shock.
- **Metal-to-metal seals** for long term sealing performance.
- **Seals can be pressure tested at site** for quality assurance during deployment.



### Specifications

Parameter	Value
Pressure Sensor Range	300, 500, 1000, 1500, 3000 psi
Temperature Range	-20°C ≤ T ≤ 105°C
Construction Materials	UNS S31603 (Nuts & Body) & UNS N06625 (Process Connection) To NACE MR0175, Titanium BT9 (Sensor)
Process Connection	1/4" – 18 NPT Male
Compatible Control Line	1/4" UNS S31600/UNS S31603 1/4" Inconel 825 Pressure testable ferrules/dual ferrule option
Output	4-20 mA
Input Voltage Range	8-30 VDC

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