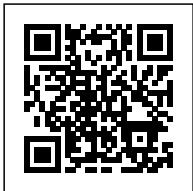


QUANTUM™ 150C PIEZO MEMORY GAUGE



SKU: 18600-180
Categories: [Advanced Monitoring](#), [Downhole Gauges](#), [Downhole Instrumentation](#), [Gauges](#), [Kuster®](#), [Quantum](#)

PRODUCT DESCRIPTION

The Quantum™ 150C Piezo memory gauge is a slickline, e-line, or coiled tubing conveyed downhole memory gauge with significantly enhanced capabilities. The memory gauge is available in various ODs and pressure ratings depending on the application. An external fast response RTD temperature sensor is a feature on the 1.25" gauge. The memory has 4X redundancy capability and up to 8 million data sets. With the addition of the SRO panel, the gauge can have e-line compatibility.

Ratings & Dimensions

| | | | |
|-----------------|--|-----------------------|---------------------|
| Max temperature | 302°F (150°C) | | |
| Pressure Range | 5kpsi; 10kpsi; 16kpsi; 20kpsi | | |
| Outer diameter | 0.75 in (19.0 mm) | 1.25 in (31.75 mm) | 1.5 in (38.1 mm) |
| Length | 18.0 in (0.46 m); 26.0 in (0.66 m); 29.0 in (0.74 m) | | |
| Weight | 4.0 lbs (1.36 kgs) | | |

Hardware Characteristics

| | |
|------------------|---|
| Transducer type | Pressure - Piezo resistive / Temperature - RTD |
| Acquisition mode | SRO or Memory |
| Materials | Inconel825/Hastelloy (NACE MRO 175) & Nitronic 50SS |
| Connections | Top: 3/4"-16 Pin Bottom: 3/4"-16 Box |

Pressure Measurements

| | |
|----------------|-------------------------------|
| Pressure Range | 5kpsi; 10kpsi; 16kpsi; 20kpsi |
| Sampling Rate | 1 sps - programmable |
| Resolution | 0.0003% F.S. |



| | |
|-----------------|------------------------|
| Accuracy | 0.024% FS / 0.05% F.S. |
| Drift | <3 psi / year |

Temperature Measurements

| | |
|------------------------|----------------------|
| Max temperature | 302°F (150°C) |
| Resolution | 0.0018°F (0.001°C) |
| Accuracy | ± 0.449°F (± 0.25°C) |
| Response Time | 1.5 sec / 10°C |

Electrical Specification

| | |
|---------------------|---------------------------|
| Consumption | 3.6V |
| Max data | 8,000,000 sets |
| Interface | USB |
| Power Source | AA or CC Battery / E-line |

Version Control: 2021.12.14

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.