

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: ¾"-16 Pin Bottom: ¾"-16 Box

Pressure Measurements

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



<b>Accuracy</b>	0.024% FS / 0.05% F.S.
<b>Drift</b>	<3 psi / year

**Temperature Measurements**

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

**Electrical Specification**

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

Version Control: 2021.12.14

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