

QUANTUM™ 177C QUARTZ MEMORY GAUGE



**SKU:** 050-18600-275  
**Categories:** [Advanced Monitoring](#), [Downhole Gauges](#), [Downhole Instrumentation](#), [Gauges](#), [Kuster®](#), [Quantum](#)

PRODUCT DESCRIPTION

The Quantum™ 177C Quartz 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	350°F (177°C)		
Pressure Range	10kpsi; 16kpsi; 20kpsi		
Outer diameter	0.75 in (19.05 mm)	1.25 in (31.75 mm)	1.5 in (38.1 mm)
Length	28.0 in (0.71 m)	38.0 in (0.97 m)	40.0 in (1.0 m)
Weight	4.0 lbs (1.36 kgs)		

Hardware Characteristics

Transducer type	Digital Quartz
Acquisition mode	SRO or Memory
Materials	Inconel 825/Hastelloy (NACE MRO 175)
Connections	<b>Top:</b> ¾"-16 Pin <b>Bottom:</b> ¾"-16 Box

Pressure Measurements

Pressure Range	10,000 psi; 16,000 psi; 20,000 psi
Sampling Rate	1 sps - programmable



<b>Resolution</b>	< 0.01 psi
<b>Accuracy</b>	0.015% FS (10K) / 0.02% FS (16k & 20k)

**Temperature Measurements**

<b>Max temperature</b>	350°F (177°C)
<b>Resolution</b>	0.0018°F (0.001°C)
<b>Accuracy</b>	± 0.449°F (± 0.25°C)

**Electrical Specification**

<b>Consumption</b>	3.6V
<b>Max data</b>	8,000,000 sets
	(memory has 4X redundancy capability)
<b>Interface</b>	USB URod
<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.***