

QUANTUM™ GEOTHERMAL PT GAUGE



**SKU:** 18600-400 (Memory) and 18600-410 (SRO)  
**Categories:** [Advanced Monitoring](#), [Gauges](#), [Geothermal & UHT Logging](#), [Kuster®](#), [Quantum](#)

PRODUCT DESCRIPTION

The Quantum™ Geothermal PT gauge is a subsurface high temperature memory tool designed to continuously measure and record downhole pressure and temperature. The PT gauge has excellent thermal protection from temperatures up to 350°C. A fast response temperature sensor (RTD) provides a high accuracy temperature profile of the well. Communication is via USB interface and the tool is powered using AA cell batteries.

Ratings & Dimensions

Max temperature	4 hours @ 662°F (350°C)
Max Tool pressure	8,500 psi
Outer diameter	1.75 in (44.45 mm)
Length	59.0 in (1.49 m)
Weight	28.0 lbs (12.7 kgs)

Hardware Characteristics

Transducer type	Pressure: Piezo resistive	Temperature: RTD
Battery type	AA Lithium / Alkaline Carrier	
Materials	17/4 ph or 718 Inconel NACE MRO 175	
Connections	Top: 5/8" API Pin (Memory Configuration) Top: 1 3/16"- 12 GO Box (SRO Configuration) Bottom: 5/8" API Box	

Pressure Measurements

Pressure Range	0-5k psi / 0-8.5k psi
Sampling Rate	1 sps

<b>Resolution</b>	0.0003% F.S.
<b>Accuracy</b>	0.024% F.S. or 0.05% F.S.

## Temperature Measurements

<b>Max temperature</b>	4 hours @ 662°F (350°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 URod

## Application

<b>Acquisition Mode</b>	Memory / SRO
<b>Logging time</b>	4 hrs @ 350°C, 6 hrs @ 300°C

Version Control: 2021.12.20

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