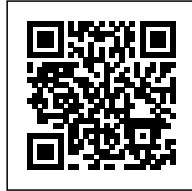


## QUANTUM™ GEOTHERMAL PTS GAUGE



**SKU:** 18600-460 (Memory) and 18600-550 (SRO)

**Categories:** [Advanced Monitoring](#), [Gauges](#), [Geothermal & UHT Logging](#), [Kuster®](#), [Quantum](#)

## PRODUCT DESCRIPTION

The Quantum™ Geothermal PTS gauge is a subsurface high temperature memory tool designed to continuously measure and record downhole temperature, pressure and flow. The PTS gauge has excellent thermal protection from temperatures up to 350°C. Directional flow data is provided by the lower spinner section. 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

<b>Max temperature</b>	4 hours @ 662°F (350°C)
<b>Max Tool pressure</b>	8,500 psi
<b>Outer diameter</b>	1.75 in (44.45 mm)
<b>Length</b>	66.0 in (1.67 m)
<b>Weight</b>	30.0 lbs (13.6 kgs)

### Hardware Characteristics

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

### Pressure Measurements

<b>Pressure Range</b>	0-5k psi / 0-10k psi
<b>Sampling Rate</b>	1 sps
<b>Resolution</b>	0.0003% F.S.

**Accuracy** 0.024% F.S. or 0.05% F.S.

## Temperature Measurements

**Max temperature** 4 hours @ 662°F (350°C)  
**Resolution** 0.0018°F (0.001°C)  
**Accuracy** ± 0.449°F (± 0.25°C)  
**Response Time** 1.5 sec / 10°C

## Flowmeter / Spinner

**Outer diameter** 2-1/8" & 1-11/16"  
**Sensors** 3 Reed switch/magnetic  
**Data** Flow with directional sensing  
**Flow rate** 30 RPM - 18,000 RPM

## Electrical Specification

**Consumption** 3.6V  
**Max data** 8,000,000 sets  
**Interface** USB URod

## Application

**Acquisition Mode** Memory / SRO  
**Logging Time** 4 hrs @ 350°C, 6 hrs @ 300°C

Version Control: 2021.12.21

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