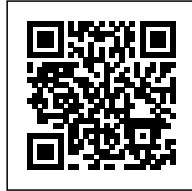


QUANTUM™ GEOTHERMAL PTS GAUGE



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

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

Pressure Measurements

Pressure Range	0-5k psi / 0-10k psi
Sampling Rate	1 sps
Resolution	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

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