

K10 Geothermal PTS

The K10 Geothermal PTS is a subsurface high temperature tool designed to continuously measure and record downhole temperature, pressure and flow in geothermal wells.

The instrument can operate downhole for up to 6 hours at 300°C and 4 hours at 350°C. The electronic section of the instrument is encased in a pressure housing, which thermally protects it from the high geothermal temperatures. The pressure transducer senses wellbore pressure through a capillary tube, while the RTD sensor remains exposed to the wellbore for accurate and fast response temperature sensing and recording. Interchangeable flowmeters and impellers allow you to choose what is best suited for the flow conditions.

All materials meet NACE MRO175 specifications for corrosive wellbore media.

Features:

- Entirely designed, manufactured and assembled in the U.S.A.
- Robust electronics section
- Rugged, accurate, and independently compensated piezoresistive transducer
- Fast response external RTD temperature sensor
- Redundant memory
- Battery management system within software
- Depth data with optional encoder



Specifications

Physical			
Outside Diameter	1.75"		
Length	66"		
Outer Housing Collapse Pressure	5,000 psi		
Pressure		Temperature	
Range	up to 5,000 psi	Downhole Time	6 hours at 300°C 4 hours at 350°C
Accuracy	0.024% F.S.	Accuracy	± 0.25°C
Resolution	0.0003% F.S.	Resolution	0.001°C
Transducer Type	Piezoresistive	Response Time	1.5 sec./10°C
Miscellaneous		Flowmeter/Spinner (Continuous)	
Number of Data Points	1,400,000 sets	Outside Diameter	2-1/8" and 1-11/16"
Minimum Sample Rate	1 sec.	Sensors	Reed switch/Magnetic
Interface	USB	Resolution	0.005% F.S.
		Data	Flow with directional sensing
		Flow Rate	300 RPM (Min)/20,000 RPM (Max)

Description and specifications are subject to change without notice



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