

K10 Geothermal

The K10 Geothermal is a subsurface, high temperature and pressure recording device.

The instrument can operate downhole for up to 6 hours at 300°C and 4 hours at 350°C. The entire heart of the instrument is encased in a pressure housing, which thermally protects the temperature sensitive electronics 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.

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

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.		
Resolution	0.0003% F.S.	Accuracy	± 0.25°C
		Resolution	0.001°C
		Response Time	1.5 sec./10°C
Physical		Miscellaneous	
Outside Diameter	1.75"	Number of Data Points	1,400,000 sets
Length (approx.)	60"	Minimum Sample Rate	1 sec.
Outer Housing Collapse Pressure	5,000 psi	Interface	USB
Transducer Type	Piezoresistive		

Description and specifications are subject to change without notice



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