



PRESSURE-TEMP-CCL TOOL (PTC)

Pressure-Temp-CCL tool (PTC) mainly used for depth correlation and leakage detection. This tool integrates three sensors into a single tool (Pressure, Gamma Ray & Temperature). It can be combined with any other Pegasus series tools.



PRESSURE MEASUREMENT PRINCIPLE

Uses a fully environmentally sealed high accuracy piezo-resistive pressure sensor.

WELLBORE TEMPERATURE MEASURING PRINCIPLE

The wellbore temperature measurement uses a platinum thermal resistor which is linearly responsive with the ambient temperature.

CCL MEASURING PRINCIPLE

The CCL section consists of an induction coil, a magnet assembly, and an amplifier. As the tool passes the casing collars while moving inside the casing, the magnetic field strength in the coil changes accordingly, generating a small induction voltage that is measured.

FEATURES

- Warrior Compatible
- Reduced tool length
- Compliant to NACE MR0175/ISO 15156-2015 for sour service version

APPLICATIONS

- Correlation of cased hole logs between runs and wells
- Depth Control
- Leakage Detection through High Resolution Production Temperature Log
- Productivity Index evaluation
- Identification of production/injection intervals
- Pressure Transient Analysis



PRESSURE-TEMP-CCL TOOL (PTC)

SPECIFICATIONS

	PTC43C-A	PTC43J-A
	P/N 1.01.07.100518837	P/N 1.01.07.100518867
	STANDARD TOOL	SOUR SERVICE TOOL
GENERAL SPECS		
Maximum Pressure	15,000PSI (103MPa)	15,000PSI (103MPa)
Maximum Temperature	-4°F~350°F (-20°C~177°C)	-4°F~350°F (-20°C~177°C)
Operating Voltage	18V to 36V	18V to 36V
Operating Current	20±5mA@18V	20±5mA@18V
Diameter	1-11/16 in. (43 mm)	1-11/16 in. (43 mm)
Length	33.03 in. (839 mm)	33.03 in. (839 mm)
Weight	11.02 lbs (5 kg)	11.02 lbs (5 kg)
Probe Type	PT100	
Measurement Range	-13°F ~ 350°F (-25°C~177°C)	
Precision	±1.8°F (±1°C)	
Resolution	0.09°F (0.05°C)	
Response Time	≤ 1S	
Dynamic Range	0 ~3300 (mv)	
Precision	+/- 0.2% FS	
Range	15,000PSI (103MPa)	
Resolution	1KPa (0.145psi)	
Sensor Type	Piezoresistive	
Signal Transmission Method	CAN Communication Port	
Signal Transmission Baud Rate	1Mbit/s	