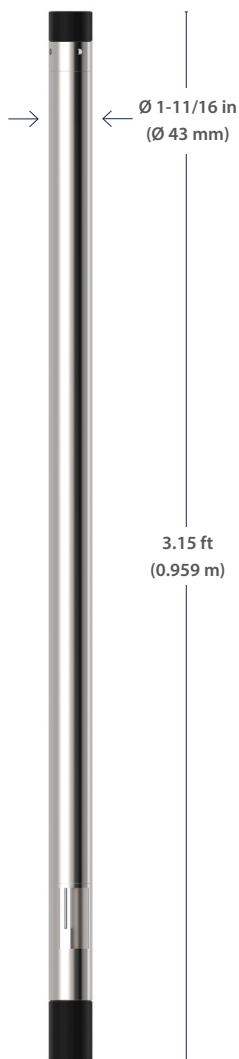




GAMMA RAY-WELLBORE TEMPERATURE (PGT43C-A)

GR-Temp PGT43C-A Tool is mainly used for depth correlation and leakage detection. This tool integrates Gamma Ray & Temperature, and can be combined with any other Pegasus Series tools.



PGT43C-A

NATURAL GAMMA RAY MEASURING PRINCIPLE

The natural gamma ray section consists of a photomultiplier tube (PMT) and a Sodium Iodide (NaI) Scintillation crystal. The sensor detects ionizing radiation naturally emitted by the formation.

WELLBORE TEMPERATURE MEASURING PRINCIPLE

Wellbore temperature measurement circuit uses a PT100 platinum thermal resistor which is linearly responsive with the ambient temperature.

FEATURES

- API Calibrated response
- Warrior Compatible
- Reduced tool length
- Combinable with all Pegasus Series Tools

APPLICATIONS

- Correlation of cased hole logs between runs and wells
- Depth Control
- Lithology Identification
- Leakage Detection through High Resolution Temperature Log
- Identification of production/injection intervals



GAMMA RAY-WELLBORE TEMPERATURE (PGT43C-A)

SPECIFICATIONS

PGT43C-A	
P/N 100510370	
GENERAL SPECS	
Maximum Pressure	15,000 PSI (103 MPa)
Minimum Temperature	-4 °F (-20°C) / 2 Hours
Maximum Temperature	350°F (175°C) / 2 Hours
Diameter	1-11/16 in (43 mm)
Tool Length	3.15 ft (0.959 m)
Effective Length	2.87 ft (0.876 m)
Weight	9.92 lbs (4.5 kg)
Max. Logging Speed	32 ft/min (600 m/h)
Operating Voltage	18V to 36V
Offset (Standalone)	GR Section - 23.01 in (584.5 mm)
	Temperature Section - 3.94 in (100 mm)
GAMMA RAY	
Dynamic Range	0~10,000 CPS
Resolution	1 CPS
Natural Background	≥100 CPS
Sensor Type	Nal Crystal
Statistical Fluctuation	≤ 7%
Temperature Stability	≤ ± 7% (Under 175°C)
Dynamic Range	10 kHz ~ 50 kHz
Signal to Noise Ratio	≥ 5 kHz
TEMPERATURE	
Probe Type	PT100
Measurement Range	-13°F ~ 350°F (-25°C~175°C)
Precision	±1.8°F (±1°C)
Resolution	0.09°F (0.05°C)
Response Time	≤ 1S
SIGNAL TRANSMISSION	
Signal Transmission Method	CAN Communication Port
Signal Transmission Baud Rate	1Mbit/s