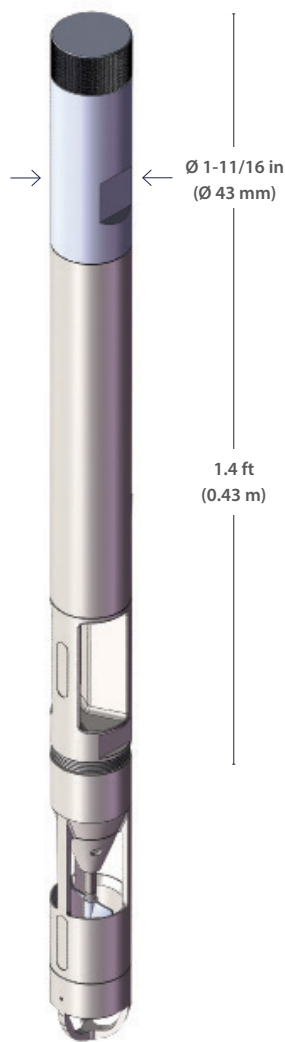




PRESSURE-TEMPERATURE-FLOWMETER (PTF43)

The **Pressure-Temperature-Flowmeter (PTF43)** sub is an electronic cartridge which is combinable with either Continuous Flowmeter Mechanical section (CFM43 or 54) or Fullbore Flowmeter Mechanical section (FBM43). The **PTF43** is fully compatible with GOWell's Pegasus series tools and Warrior supported. Applications include Leak Detection, Productivity Index Evaluation, Identification of production/injection intervals, Pressure Transient Analysis and Pressure Gradient Evaluation. By combining **PTF43** / FBM43 with GOWell's QCD43 and GTC43 you have a complete but compact PLT string. This tool is Sour Service / NACE MR075 compliant.



PTF43

Image includes CFM

PRESSURE MEASUREMENT PRINCIPLE

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

WELLBORE TEMPERATURE MEASUREMENT

Principle Fast response temperature measurement close to the bottom of tool using an industry standard platinum thermal sensor.

FLOWMETER MEASUREMENT PRINCIPLE

Hall Effect sensors mounted in the lower sub with an oil filled cavity to exclude well fluids from sensor section

SPECIFICATIONS

	PTF43J-A
	P/N 100518867
GENERAL SPECS	
Maximum Operating Pressure	14,500 PSI (100 MPa)
Maximum Operating Temperature	347°F (175°C)
Instrument Diameter	1-11/16 in (43 mm)
Connector type and Feedthru Wiring	13 Pin Bottom-Only
Connections	Top:13-Pin Male – Bottom: Spring Lock
Length	1.4 ft. (0.43 m)
INTERNAL TEMPERATURE SECTION	
Probe Type	PT100
Measuring Range	-13°F~347°F (-25°C~175°C)
Measuring Accuracy	±1.8°F (±1°C)
Resolution	0.09°F (0.05°C)
Response Time	≤1 sec
PRESSURE	
Precision	+/- 0.2% FS
Range	0-100 Mpa (0-14,503 PSI)
Resolution	1 kPa (0.15 PSI)
Sensor Type	Piezoresistive
FLOWMETER	
Resolution	10 Pulses/Revolution
Directional	Bi-directional