



PRESSURE TEMPERATURE FLOWMETER (PTF)

The Pressure-Temperature-Flowmeter tool (PTF) is an electronic cartridge which is combinable with either Continuous Flowmeter Mechanical section (CFM), Continuous Jewel Flowmeter(CJM) or Fullbore Flowmeter Mechanical section (FBM). The PTF 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 PTF / Flowmeter Mechanical section with GOWELL's QCD and GTC you have a complete but compact PLT string.



PRESSURE MEASUREMENT

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

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

SPECIFICATIONS

	PTF43C	PTF43J-A
	P/N 3.01.02.100514183	P/N 1.01.07.100518867
	STANDARD TOOL	SOUR SERVICE TOOL
GENERAL SPECS		
Maximum Pressure	15,000PSI (103MPa)	15,000PSI (103MPa)
Maximum Temperature	350°F (177°C)	350°F (177°C)
Diameter	1-11/16 in. (43 mm)	1-11/16 in. (43 mm)
Length	17.7 in. (449.6 mm)	17.7 in. (449.5 mm)
Weight	5.95lbs (2.7kg)	7.72lbs (3.5kg)
Connections	Top:13-Pin Male – Bottom: Spring Lock	
INTERNAL TEMPERATURE SECTION		
Probe Type	PT100	
Measuring Range	-13°F~350°F (-25°C~177°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	0-15,000 PSI (0-103 Mpa)	
Resolution	0.15 PSI (1 kPa)	
Sensor Type	Piezoresistive	
FLOWMETER		