

1.75" Geothermal PTF

Application

The 1.75" Geothermal Pressure Temperature Flow Gauge has an external fast response temperature sensor that is exposed to the wellbore fluid and an internal pressure piezo sensor that senses wellbore pressure. It is compatible with the 5" or 7" Fullbore Spinner as well as the 1.688" and 2.125" Continuous Spinner.

The temperature sensitive downhole electronics are thermally insulated inside a vacuum flask with a heat sink to reduce the rate of temperature rise within the flask. This allows the 1.75" Geothermal PTS tool to operate in extreme temperature applications; up to 300°C for 8 hours.

Features

- 8 hours @ 300°C (600°F)
- 4 hours @ 350°C (660°F)
- External Fast Response Temperature Probe
- Compatible with a Number of Different Flowmeters
- Silicon Pressure Sensor
- 0.1s Fast Sample Rate Option
- Inconel 718 – NACE MR0175

1.75" Geothermal PTS - Inconel 718	
Pressure	Part No.
750 psi	102706
1,500 psi	102707
3,000 psi	102708
6,000 psi	102709
10,000 psi	102710
15,000 psi	102711
20,000 psi	102712



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Compatible Spinners			
Spinner Type	Size	Version	Part No.
Fullbore Spinner	5"	Standard Service	AM005WA0002
		H2S Service	AM005WB0002
	7"	Standard Service	AM005WA0008
		H2S Service	AM005WB0008
Continuous Spinner	1.688"	Standard Service	AM005WA0004
		H2S Service	AM005WB0004
	2.125"	Standard Service	AM005WA0007
		H2S Service	AM005WB0007

Accessories	
Accessory Type	Part No.
Pelican Case Assembly	107775
Redress Kit Aflas 7182B	107777
Redress Kit Chemraz 510	107778
Battery Tester	100876

Compatible Batteries		
Size	Max Temp	Part No.
AA	150°C	100408
	165°C	100804
	180°C	100805
	200°C	100409

Specifications		
	Pressure	Temperature
Accuracy	0.03 % F.S.	0.25°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Flowmeter		
Minimum Rotation	30 rpm	
Maximum Rotation	18,000 rpm	
Resolution	0.125 rps	
Memory		
Capacity	3.5 Million Samples	
Communication Method	USB	