1.25" Piezo III

Application

The 1.25” Piezo III downhole pressure gauge is our workhorse memory gauge for monitoring offset fractures, build-ups, drawdowns, DFIT's, isolation tests, and simple gradient surveys. The silicon piezoresistive sensor (otherwise known as a strain gauge, or sapphire sensor) is welded to the electronics housing eliminating a leak path and a maintenance problem. The 1.25" diameter barrel allows for the use of "C" cell batteries for extended duration tests.
For most applications, the piezo sensor offers the best accuracy and resolution for the cost.

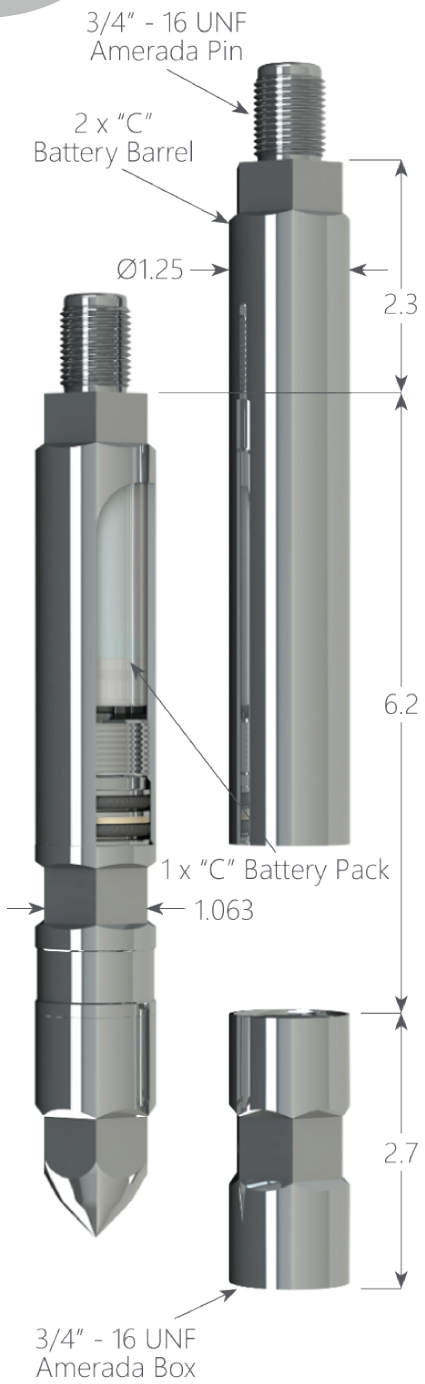
*Make sure to use the battery calculator in the DataCan download software to determine the maximum downhole pressure gauge job length for specific thermal applications.

Benefits

This gauge has a welded piezoresistive sensor and a shock-mounted high-reliability circuit board. The new circuit comes with an 11 million sample capacity and a super low power sleep. This gauge will provide over a year of 30 second sample rate data with a "C" cell battery at 125 °C well temperature.

Features

- 11 Million Sample Capacity
- Welded Pressure Sensor
- Higher Reliability – Shock Mounted Electronics
- Up to 470 Hz Varient Available - Contact DataCan for Part Number
- Inconel 718 – NACE MR0175



1.25" Welded Piezo III - Inconel 718

Pressure	Temperature	Part No.
750 psi	0°C to 100°C	108150
1,500 psi	0°C to 120°C	108151
3,000 psi	0°C to 150°C	108152
6,000 psi		108153
10,000 psi	0°C to 177°C	108154
15,000 psi		108155
20,000 psi		108156
25,000 psi		108157

Accessories

Accessory Type	Part No.
Bullnose SS316	101238
Crossover 0.75-16 UNF SS17-4	101239
Battery Barrel 1 X "C" Inconel 718	100485
Battery Barrel 2 X "C" Inconel 718	100486
Pelican Case Assembly	100501
Extended Pelican Case Assembly	103467
USB Download Cable	100682
Redress Kit Viton 90	100911
Redress Kit Aflas 7182B	101002
Redress Kit Chemraz 510	101003
Battery Tester	110944

Compatible Batteries

Size	Max Temp	Part No.
C	150°C	100671
	165°C	100499
	180°C	100500
1 x CC	150°C	101010
	165°C	100989
	180°C	100814

Specifications

	Pressure	Temperature
Accuracy Up To	0.03 % F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Capacity	11 Million Samples	
Communication Method	USB	