1.25" Burst Gauge

Application

The 1.25" Burst Memory Pressure Gauge has ultra-fast sampling capabilities. This pressure gauge will capture a perforation event, at a rate of 32,000 samples per second. There are 3 sampling speeds:

Basic Speed = As fast as 1 sample / second
Intermediate Speed = 10,000 samples / second
High Speed = User Selectable 32,000 or 16,000 samples / second

The gauge has non-volatile memory, so the data will not be lost when you disconnect the battery pack. The Burst Tool can store up to 8 high speed sampling events. One high speed event will capture 500,000 samples, or ~15 seconds of data at the high speed. The Burst Tool can also store up to 1 million regular speed data samples. The Burst Tool works at temperatures up to 150°C and pressures up to 30,000 psi.

Benefits

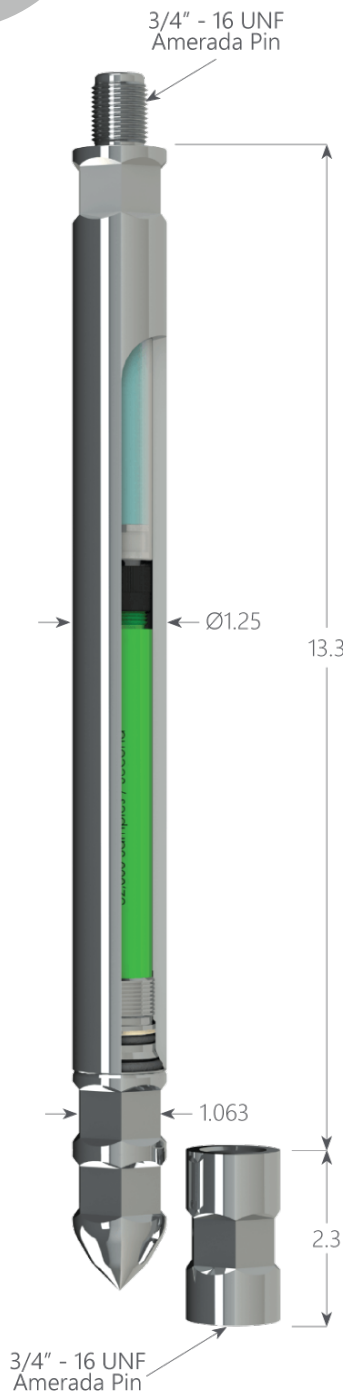
Highspeed event data is captured prior to, during, and after the perforation event.

A burst event capture can be initiated in three ways:
Normal = Change sample rates at pre-programmed time intervals
Absolute Pressure Trigger = Burst event capture starts at an absolute pressure setpoint
Delta Pressure Trigger = Burst event captured after a change in pressure over time

The sensor, electronics, sealing package, and battery have all been custom designed to withstand the perforation explosion.

Features

- 32,000 Samples Per Second
- Non-volatile memory
- Super Seal Technology - 30,000 psi @ 1.25" OD
- Absolute Pressure Trigger (Level Trigger)
- Delta Pressure Trigger (Window Trigger)
- Electron Beam Welded Sensor
- Extreme shock resistance
- Inconel 718 – NACE MR0175



1.25" Burst Tool - Inconel 718

Pressure	Temperature	Part No.
20,000 psi	0°C to 150°C	100414
25,000 psi		100415
30,000 psi		100413

Accessories

Accessory Type	Part No.
Bullnose SS17-4	102632
Crossover 0.75-16 UNF SS17-4	102633
Battery Barrel 1 x "Sub CC" Inconel 718	100713
Battery Barrel 2 x "Sub CC" Inconel 718	101006
Pelican Case Assembly	100936
USB Download Cable	100682
Redress Kit Viton 90	100908
Redress Kit Aflas 7182B	100237
Redress Kit Chemraz 510	100238
Battery Tester	110944

Compatible Batteries

Size	Max Temp	Part No.
2 x AA	150°C	105262
	165°C	105263
	180°C	105264

Specifications

	Pressure	Temperature
Accuracy Up To	0.5 % F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Sampling Speeds		
Slow Mode Sample Rate	1 Sample/Second	
Intermediate Sample Rate	10,000 Samples/Second	
Fast Sample Rate	Up to 32,000 Samples/Second	
Change in Sample Rate Options		
Normal	Rate change at pre-programmed intervals	
Absolute Pressure Trigger	Rate change at pre-programmed absolute setpoint	
Delta Pressure Trigger	Rate change after a pre-programmed change in pressure over time	
Memory		
Capacity	1 Million Samples (8 High Sample Rate Events)	
Communication Method	USB	