

1.25" Burst Memory Pressure 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:

Slow Speed = As fast as 1 sample / second

Intermediate Speed = 10,000 samples / second

Fast 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 Fast Speed. The Burst Tool can also store up to 1 million Slow Speed data samples. The current Burst Tool works at temperatures up to 150°C and pressures up to 30,000 psi.

Features

- 32,000 Samples Per Second
- Super Seal Technology - 30,000 psi @ 1.25" OD
- Absolute Pressure Trigger (Level Trigger)
- Delta Pressure Trigger (Window Trigger)
- Electron Beam Welded Sensor
- Shock Mounted Electronics
- Inconel 718 - NACE MR0175

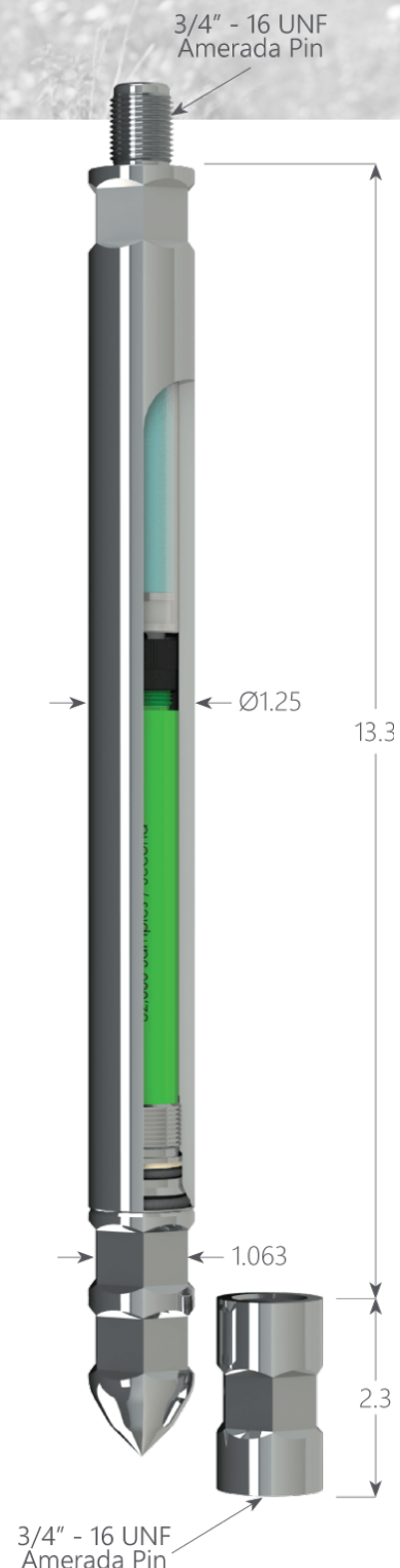
Benefits

Like all DataCan products, the Burst Tool operates using the same simple and easy to use program and download software as all other DataCan products. A change in sample rate can be initiated in three ways:

Normal = Change sample rates at pre-programmed time intervals

Absolute Pressure Trigger = Change rate at a pre-programmed absolute pressure setpoint

Delta Pressure Trigger = Change rate after a pre-programmed change in pressure over time



1.25" Burst Memory Pressure Gauge

DataCan piezo gauges have shock mounted electronics making them very reliable.

1.25" Burst Tool - Inconel 718		
Pressure	Temperature	Part No.
20,000 psi	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

Specifications		
	Pressure	Temperature
Accuracy	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	