

### Coil Force Gauge

#### Application

The Coil Force Gauge is designed to capture and record the downhole forces applied to your coil tubing string and bottom-hole assembly. The Coil Force Gauge acts as a black box recording device to assist engineers in understanding what is happening downhole. The Coil Force Gauge measures up to 80,000 pounds of tension and compression, 15,000 psi internal and external pressure, and 350°F. Additionally, the tool is robust enough to withstand multiple 50G acceleration events. The memory capacity allows for the tool to capture 8 days of data sampling 10 times per second.

There is no better way to know what actual forces are being transmitted downhole.

#### Features

- Measures Tension and Compression, Internal and External Pressure, and Temperature
- Up to 10Hz Sampling Frequency
- 40 Million Sample Capacity
- Slim 2.78" OD
- Large 1.125" Thru Hole ID
- Smooth Outer Barrel
- 80,000 lb Tensile Rating

#### Benefits

The Coil Force Gauge is composed of ballistics quality shock proof parts that are rated for high temperature use and packaged in a shock mounted enclosure. It's a simple design that works. It is also programmed and downloaded using DataCan's easy-to-use Program and Download Software.

0.50" Piezo - Inconel 718		
OD	Pressure	Part No.
2.876"	15,000 psi	108578



## Coil Force Gauge

Specifications		
	Pressure	Temperature
Accuracy	0.22% F.S.	0.25°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Memory Capacity	40 Million Samples	
Communication Method	USB	
Compression and Tension		
Range	-50,000 lb to 50,000	
Accuracy	1% F.S.	
Max Sampling	10 Hz	