

# SRO

## Force Gauge

### Application

The real-time downhole tool measures internal and external pressure, temperature, and tubing strain. Measure your tubing stress and avoid catastrophic completion failures. Enhanced oil recovery methods can have significant thermal differentials. Thermal cycles have the capacity of unloading or overloading pre-stressed completion assemblies. The Completion Force Gauge allows operators to monitor and track the downhole forces in real-time for the life of the completion.

### Benefits

Fully welded construction with pressure-testable, metal-to-metal, redundant cablehead design. Digital piezoelectric pressure gauge technology compensates the axial strain data against internal and external pressure changes. The internal resistive thermal device compensates the strain data against thermal changes, delivering pure compression and tension strain data. Custom Connections and Sizes Available.

### Features

- Real-Time
- Downhole Tension and Compression
- Downhole Internal and External Pressure
- Temperature, Vibration, and Torque

### Completion Force Gauge

OD	Pressure	Part No.
4.370"	15,000 psi	109646



## Specifications

	Pressure	Temperature
Accuracy	0.05% F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Compression and Tension		
Range	+/- 80,000 lbs	
Accuracy	1% F.S.	
Max Sampling	1 Hz	

