

## IntelleX™ HPHT Quartz Gauge Tool

Provides precise pressure and temperature measurement on extended well surveys

### Applications

- Bottomhole pressure (BHP)/gradient surveys
- Monitoring sliding sleeve (SSD) positioning
- Determining fluid movement in producing or injecting wells

### Features and Benefits

- Memory capacity of 8 MB and can store up to 1.4 million data sets for extended pressure surveys
- Programmable with any combination of sample rates and trigger events

### Tool Description

The Weatherford IntelleX HPHT quartz memory gauge is a slickline, e-line, or coiled tubing conveyed PT gauge, available in various ODs and pressure ratings for a range of applications.

Memory capacity is 8 MB and up to 1.4 million data sets for more than 400 days of continuous recording at 2 samples/min.



# IntelleX™ HPHT Quartz Gauge Tool

## Specifications

### Ratings and dimensions

Outer diameter	1.25 in. (32.0 mm)		1.375 in. (34.9 mm)
Length	2.44 ft (0.74 m)		
Weight	15 lb (6.8 kg)		15.6 lb (7.07 kg)
Maximum temperature	392°F (200°C)		
Maximum pressure	20,000 psi (137.9 MPa)	25,000 psi (172.4 MPa)	30,000 psi (206 MPa)
Measure point	2.7 in. (68.58 mm) from bottom of tool		
Materials	Inconel 25k psi and MP35N 30k psi rated (NACE MR-10-75 Compatible)		
Connection	Top/Bottom 15/16 in. x 10UN (5/8-in. Sucker Rod)		

### Measurements

Memory Capacity	8 MB for up to 1.4 million data sets >2 days (P/T @ 8 samples/sec) >13 days (P/T @ 1 sample/sec) >400 days (P/T @ 2 samples/min)
Acquisition mode	Memory
Maximum operating life	200 hr at 392°F (200°C) 1,000 hr at 347°F (175°C) 2,000 hr at 329°F (165°C) 4,000 hr at 302°F (150°C)
Primary output	0.01 Pressure
Secondary output	0.02 Temperature

### Pressure measurements

Range	15,000 psi (103.4 MPa)
Accuracy	0.02% FS
Resolution	< 0.1 psi
Drift	0.02% FS per year

### Electrical specifications

Voltage	3 – 9 Vdc 5 Vdc power supplied via USB (programming and data upload) 7.3 Vdc power supplied via 2 x "C" cell battery pack
Current Consumption	< 2 mA (standby) < 6 mA (sampling)
Power Requirements	2 X 'C' Lithium Batter 7.34V (> 10 days operation at 1 sample/sec) 6.5Ah

