

TECHNICAL DATA SHEET

QPS

Single Gauge Quartz Pressure Tool

The Single Gauge Quartz Pressure tool (QPS) is used to provide a continuous log of borehole fluid pressure to record reservoir pressure draw-down and build-up data during flowing tests.

The resonant frequency of a shaped quartz crystal varies with the applied pressure. Using this high sensitivity measurement an accurate and high resolution pressure reading is produced over a wide operating range.

APPLICATIONS:

- Liquid/Gas interface determination
- Pressure data for Productivity Index and Nodal Analysis
- Drawdown and Build-Up Pressure transient analysis
- Downhole pressure gradient measurements

BENEFITS

- High accuracy and high resolution pressure measurement over wide measurement range
- Deployable on Slickline, Electric line, Coil Tubing and Tractor
- Suitable for all well deviations, including horizontal

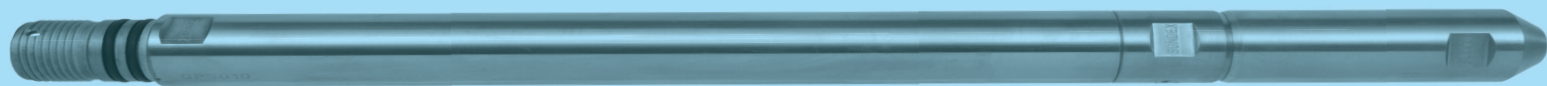


Image courtesy of GE oil & gas

Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	1 ¹¹ / ₁₆ in (43 mm)
Tool length	19.01 in (483 mm)
Tool weight	8.8 lb (4.0 kg)
Pressure accuracy	± 0.02% FS
Pressure resolution	< 0.008 psi
Pressure response	< 1 sec for 99.5%
Pressure ageing	< 3 psi/year
Temperature accuracy	± 0.27°F (0.15°C)
Temperature resolution	<0.009°F (0.005°C)
Materials	Corrosion resistant throughout