Technical Specification Sheet

Quartz Pressure Tool - 1 3/8 in.

The Quartz Pressure Tool (QPT101) utilizes a precision digital quartz pressure transducer to provide wellbore pressure and gauge temperature. This transducer provides a continuous measurement of well pressure during dynamic passes, or dynamic pressure build-ups or draw-downs.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	10,000 psi (68.9 mPa)
Outer diameter	1.38 in (35.0 mm)
Length	23.25 in (587.0 mm)
Weight	6.8 lb (3.1 kg)
Measure points	3.9 in (98.0 mm)
Materials	Corrosion resistant materials used throughout

Pressure Measurements

Maximum error	0.02% Full Scale
Response time	< 1 second
Resolution	0.008 psi (55.16 mPa)
Drift	< 3 psi (< 20.68 kPa) per year

Temperature Measurements

Accuracy	0.27°F (0.15°C)
Resolution	0.009°F (< 0.005°C)
Drift	< 0.1 °C /year at 177°C
Reference clock drift	<1 ppm /year at 177°C

Hardware Characteristics

Combinability	All HD tools (RADii, iQ, PL, RAS, etc)	
Acquisition Mode	Real-time (with TCU)	Memory (with MLT)

Electrical Specifications

Voltage	50V DC	19V DC
Current	4.5 mA	11 mA

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