Technical Specification Sheet

Tuning Fork Density Tool - $1^{11}/_{16}$ in.

The Tuning Fork Density Tool (TFD001) is an HD Platform non-radioactive fluid identification tool that is not affected by well inclination. It provides an industry-standard Fluid Density measurement based on vibrating fork technology.

Optimized for either pure gas or oil-water environments, it can also function as a useful free gas indicator.

Ratings & Dimensions

Max Temperature	350°F (177°C)
Max Pressure	15,000 psi (103.4 mPa)
Diameter	1.69 in (43.0 mm)
Length	30.27 in (769.0 mm)
Weight	9.5 lb (4.3 kg)
Tensile Strength	15,000.0 lbf (6,803.9 kgf)
Measure Point	6.9 in (175.0 mm) from bottom of tool
Materials	Corrosion resistant materials used throughout

Measurements

Sensor	Acoustic
Range	0 to 1.25 g/cc or better
Accuracy	+/-0.03 g/cc or better
Resolution	0.03 g/cc
Response Time	< 1 second

Hardware Characteristics

Combinability	All HD tools: GR, CCL, iQ, RADii, RAS, PLT	
Tool Positioning	Centralized	
Acquisition Mode	Real-time (with TCU)	Memory (with MLT)

Electrical Specification

Voltage	50V DC	19V DC
Current	20 mA	50 mA

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