

FLUID DENSITY TOOL - HD - 1 11/16 IN.



SKU: FDT001

Categories: [Cased Hole Wireline](#), [Fluid Density](#), [HD Platform™](#), [Production Logging](#)

PRODUCT DESCRIPTION

The Fluid Density Tool (FDT001) utilizes a double encapsulated low energy AM241 source and scintillation detector assembly to measure fluid density in the measurement window of the tool.

This measurement is unaffected by well deviation or fluid velocity making it suitable for deployment in a very wide range of environments. The FDT is a short, robust and reliable tool, easily maintained and well suited to e-line SRO operations or Memory operations on Slickline, Coil Tubing or Tractor.

High voltage to the PMT is adjusted with temperature to maintain sensitivity over the whole temperature range.

The tool uses a dual channel receiver. The 2nd channel counts high energy gamma rays from scale or formation which correct the main channel.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	1.69 in (43.0 mm)
Length	28.3 in (719 mm)
Weight	12.7 lb (5.8 kg)
Measure point	6.4 in (163 mm)

Sensor Characteristics

Measurement range	0 to 1.25g/cc
Accuracy	±0.03g/cc
Resolution	0.01g/cc

Hardware Characteristics

Combinability All HD tools (RADii, iQ, PL, RAS, etc)
Materials Corrosion resistant materials used throughout
Acquisition Mode Real-time (with TCU) Memory (with MLT)

Electrical Specification

Current 10mA @ 50V 24mA @ 19V

Version Control: 2021.11.17

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.