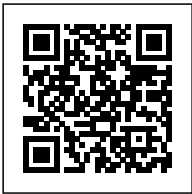


FLUID DENSITY TOOL - HD - 1 3/8 IN.



SKU: FDT101
Categories: [Cased Hole Wireline](#), [Fluid Density](#), [HD Platform™](#), [Production Logging](#)

PRODUCT DESCRIPTION

The Fluid Density Tool (FDT101) 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 | 10,000 psi (68.9 mPa) |
| Outer diameter | 1.38 in (35.0 mm) |
| Length | 29.9 in (760.0 mm) |
| Weight | 8.0 lb (3.6 kg) |
| Measure point | 5.1 in (131.0 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.