ONLINE TECHNICAL SPECIFICATION SHEET



COMBINED CAPACITANCE, FLOW ELECTRONICS & TEMPERATURE TOOL (SLIM) - HD - 1 3/8 IN.





SKU: CFT101

Categories: Capacitance, Cased Hole Wireline, HD Platform™, Production

Logging

PRODUCT DESCRIPTION

The Capacitance Flow Electronics & Temperature Tool "Slim" (CFT101) offers a reduced length multiple sensor solution. All standard Fixed Cage Spinners and our Full Bore Spinner are compatible with the CFT.

The capacitance sensor provides an indication of the fluid type surrounding the sensor by measuring the dielectric constant of the fluid between the sensor and tool body. Used in combination with other sensors it provides qualitative fluid identification data. A dedicated hall effect array provides 10 pulses per revolution flowmeter output and a fast response PRT measures well bore temperature.

Ratings & Dimensions

Max temperature
Max pressure
Outer diameter
Length
Weight

Materials

350°F (177°C)

10,000 psi (68.9 mPa) 1.38 in (34.9 mm) 30.3 in (769.0 mm) 8.2 lb (3.7 kg)

Corrosion resistant materials used throughout

Capacitance Sensor

Range 0 to 45% Hold Up (Water)

Resolution 1

Measure points 10.4 in (263.0 mm)

Temperature Sensor

Range -40 to 350°F (-40 to 177°C)



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Accuracy $\pm 0.9 \,^{\circ}\text{F} \ (\pm 0.5 \,^{\circ}\text{C})$ Resolution $\pm 0.006 \,^{\circ}\text{F} \ (\pm 0.003 \,^{\circ}\text{C})$

Hardware Characteristics

Combinability All HD tools (RADii, iQ, PL, RAS, etc)

Acquisition Mode Real-time (with TCU) Memory (with MLT)

Electrical Specification

Current 7 mA @ 50V 17 mA @ 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.