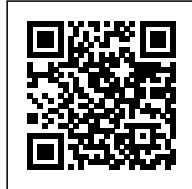


## COMBINED CAPACITANCE, FLOW ELECTRONICS & TEMPERATURE TOOL - HD - 1 11/16 IN.



**SKU:** CFT004

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

### PRODUCT DESCRIPTION

The Capacitance Flow Electronics & Temperature Tool (CFT004) 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

<b>Max temperature</b>	350°F (177°C)
<b>Max pressure</b>	15,000 psi (103.4 mPa)
<b>Outer diameter</b>	1.69 in (43.0 mm)
<b>Length</b>	29.3 in (744 mm)
<b>Weight</b>	12.3 lb (5.6 kg)
<b>Materials</b>	Corrosion resistant materials used throughout

#### Capacitance Sensor

<b>Range</b>	0 to 45% Hold Up (Water)
<b>Resolution</b>	1%
<b>Measure points</b>	10.8 in (274.0 mm)

#### Temperature Sensor

<b>Range</b>	-40 to 350°F (-40 to 177°C)
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<b>Accuracy</b>	$\pm 0.9^{\circ}\text{F}$ ( $\pm 0.5^{\circ}\text{C}$ )
<b>Resolution</b>	$\pm 0.006^{\circ}\text{F}$ ( $\pm 0.003^{\circ}\text{C}$ )
<b>Linearity</b>	0.5°F (0.15°C)
<b>Response time</b>	~ 0.5 seconds
<b>Measure points</b>	0.7 in (17.0 mm)

## Hardware Characteristics

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

## Electrical Specification

<b>Current</b>	7 mA @ 50V	17 mA @ 19V
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Version Control: 2021.11.17

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