WIRELINE TECH SPECS

## **Fast-Response Temperature Tool**

Measures wellbore temperature using a platinum resistance thermometer in a low-mass Inconel® tube

### **Applications**

- · Conventional temperature logging
- Leak detection, gas inflow points, top of cement
- Flow behind pipe

#### **Features and Benefits**

- Combinable with all high-speed digital (HD) telemetry tools
- Rapid response to temperature change
- Compact and robust

### **Tool Description**

The Weatherford fast-response temperature tool measures wellbore temperature by means of a platinum resistance thermometer housed in a low-mass Inconel tube.

This tool provides an accurate, rapid response, and high-resolution temperature measurement that is essential to production logging and leak detection.





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# **Fast-Response Temperature Tool**

### **Specifications**

**Ratings and Dimensions** 

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Maximum temperature	350°F (177°C)
Maximum pressure	15,000 psi (103.4 MPa)
Outside diameter	1.69 in. (43.3 mm)
Length	14.2 in. (360 mm)
Weight	7 lb (3.2 kg)
Materials	Corrosion-resistant materials used throughout

### Measurement

Range	-40 to 350°F (-40 to 177°C)
Accuracy (+/-)	0.9°F (0.5°C)
Response time	~ 0.5 seconds
Resolution	0.006°F (0.003°C)
Linearity	0.5°F (0.15°C)

### **Hardware Characteristics**

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Combinability	All HD tools (RADii™, iQ™, PL, RAS™) when connected to flow and temperature electronics (FLTE), and flow and temperature tool (CFT)	
Acquisition mode	Real time with telemetry control unit (TCU)  Memory with memory logging tool (MLT)	

### Electrical

Current	7 mA at 50 V
Current	16 mA at 19 V



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