

# Fast Response Temperature - 1<sup>11</sup>/<sub>16</sub> in.



The Fast Response Temperature (FRT001) tool measures well bore 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 an essential part of production logging & leak detection.

## 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>	14.2 in (360.0 mm)
<b>Weight</b>	7.0 lb (3.2 kg)
<b>Materials</b>	Corrosion resistant materials used throughout

## Measurements

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

## 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 Specifications

<b>Current</b>	7 mA @ 50V	16 mA @ 19V
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