

## TECHNICAL DATA SHEET

# PRT

## Platinum Resistance Thermometer

The Platinum Resistance Thermometer (PRT) tool provides a highly accurate and fast response measurement of downhole wellbore temperature, which can be used for identifying fluid entry, gas leaks and injection zones. This tool offers an excellent combination of sensitivity and range.

The Platinum Resistance Thermometer Tool is small and compact. This tool measurement plays a critical role in PL interpretation and is an integral component in any production logging or well integrity toolstring.

The probe is contained in a pressure tight Inconel® needle, protruding into an open slot through which borehole fluid can flow. The measurements from the low mass probe result in high resolution data with fast temperature response.

### APPLICATIONS:

- Production logging
- Well integrity leak detection in tubing/casing
- Location of fluid movement behind tubing/casing
- Location of production and injection zones
- Cement top identification

### BENEFITS

- Fast response and high accuracy sensor
- Deployable on Slickline, Electric line, Coil Tubing and Tractor
- Surface readout or memory capability
- Designed to be run in combination with a full suite of production logging and well integrity tools
- Designed for all well deviations, including horizontal

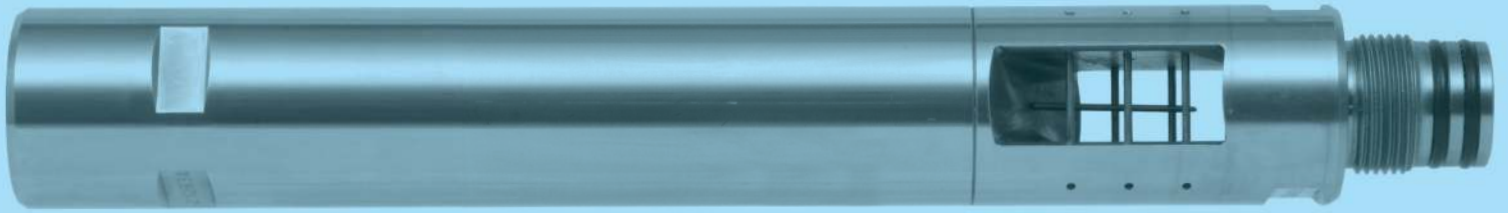


Image courtesy of GE oil & gas

## Specifications

<b>Temperature rating</b>	350°F (177°C)
<b>Pressure rating</b>	15,000 psi (103.4 MPa)
<b>Tool diameter</b>	1 11/16 in (43 mm)
<b>Tool length</b>	12.5 in (317.5 mm)
<b>Tool weight</b>	5.2 lb (2.4 kg)
<b>Resolution</b>	0.006°F (0.003°C)
<b>Measurement range</b>	50 - 350°F (10 - 177°C)
<b>Response time</b>	0.5 seconds
<b>Accuracy</b>	± 0.9°F (0.5°C)
<b>Linearity</b>	0.5°F (0.15°C)
<b>Materials</b>	Corrosion resistant throughout