

# TTP-11

## 1-11/16" Temperature Pulse Tool

### Description

The DSS 1 11/16" Temperature Pulse Tool (TTP-11) measures the borehole fluid temperature, which can be used for finding cement top. It's also can be used for finding fluid entry, gas leaks, and injection zones. The TTP-11 tool measures fluid temperature by measuring the resistance of a platinum RTD (Resistance Temperature Detector) inside a pressure probe. The measurements from the low mass probe results in high resolution data with fast temperature response.

### Applications

- Borehole fluid temperature
- Identification of cement top.
- Gas leak detection and injection zones.
- Location of fluid movement behind casing.

### Features

- Rated for High-temperature and high-pressure environments.
- Bottom end feed through power (optional to run negative voltage)
- Compatible with most surface systems.
- Tool calibrated to 20 counts/°C, and can be calibrated to 10 counts/°F.
- Can be run alone, or combined with most analog tools.
- Electronic design verified for 1 hour operation at 415°F to ensure reliability.
- Easy to service and maintain.
- Proudly designed and manufactured in Canada.

### Specifications

<b>Tool Operating Voltage</b>	<b>90-150 VDC</b>	<b>Tool Length (make-up)</b>	<b>72.79 cm (28.66 in)</b>
<b>Tool Operating Current</b>	<b>10-20 mA</b>	<b>Tool Length (shipping)</b>	<b>82 cm (32.29 in)</b>
<b>Output Pulses Amplitude</b>	<b>Positive 7.5 VDC</b>	<b>Tool Weight</b>	<b>5.57 Kg (12.3 Lb)</b>
<b>Output Pulses Width</b>	<b>25 µS</b>	<b>Measurement Point from Top of Tool</b>	<b>61.36 cm (24.16 in)</b>
<b>Max. Pressure by design</b>	<b>172.4 Mpa (25,000 PSI)</b>	<b>Borehole Fluids</b>	<b>Oil - Fresh Water - Brine</b>
<b>Max. Temperature</b>	<b>204°C (400°F)</b>	<b>Top End Connector</b>	<b>Contact Socket Go Female</b>
<b>Tool Diameter - OD</b>	<b>42.86 mm(1-11/16 in)</b>	<b>Bottom End Connector</b>	<b>Contact Pin Go Male</b>



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