The Dual Induction Log instrument is most suitable in high-resistive mud systems, e.g. oil-based and fresh-water mud or air-filled holes. It provides four measurements: a Deep and a Medium Induction curve, a Shallow Focused Laterolog and a Spontaneous Potential (SP) curve (SP only if mud conditions allow). The transmitter and receiver coils are arranged in such a way that a deep penetration of the formation is ensured.

### Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>92 mm (3.62&quot;)</td>
</tr>
<tr>
<td>Length</td>
<td>7490 mm (294.9&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>134 kg (295 lbs)</td>
</tr>
<tr>
<td>Max. Temp</td>
<td>175°C (350°F)</td>
</tr>
<tr>
<td>Max. Pressure</td>
<td>140 MPa (20 000 psi)</td>
</tr>
<tr>
<td>Telemetry required</td>
<td>yes</td>
</tr>
<tr>
<td>Top Connector</td>
<td>yes</td>
</tr>
<tr>
<td>Bottom Connector</td>
<td>none</td>
</tr>
</tbody>
</table>

### Source Type
- Electrode Arrays
- Coil Array (Induction)
- Electrode Array (Laterolog, SP)

### Measure Points (from bottom):
- ILD: 3340 mm (131.5")
- ILM: 2290 mm (90.2")
- LL8: 510 mm (20.1")
- SP: 3340 mm (131.5")

### Measuring Parameters:

#### Measuring Range:
- Induction (Deep and Medium): 0.5 to 5000 mS/m (mmho)
- LL8: 0.5 to 5000 mS/m (mmho)
- SP: -1000 to 1000 mV *

#### Accuracy:
The greater of ± 3 % and ±5 mS/m (mmho)

### Logging Parameters

#### Recommended
- Min. Hole Diameter: 127 mm (5.0")
- Max. Hole Diameter: 430 mm (16.9")
- Logging speed: 30 m/min (5900 ft/hr)
- Sample Rate: selectable

### Displayed Standard Curves
- RILD in Ohmm: Deep Induction Resistivity
- RILM in Ohmm: Medium Induction Resistivity
- LL8 in Ohmm: Shallow Laterolog Resistivity

### Combinability
- With all other 3 ¾” instruments
- This instrument must be the bottom tool within a string