The XXT-DS Directional Sensor, designed to XXT standards and specifications, incorporates the industry renowned JAE accelerometers and magnetometers. Incorporating XXT’s Digital Head module, the complete Directional Sensor assembly provides a temperature corrected plug-and-play solution.

### ADVANTAGES

- ✓ Independent power control for magnetometers and accelerometers extends battery life
- ✓ Integrated XXT Digital Head module provides plug-and-play capability
- ✓ Rugged and field-proven at high temperature and high shock and vibration
- ✓ Low power consumption (approximately 2 Watts with all sensors on)

### FEATURES

- ✓ 3-axis magnetometers, 3-axis accelerometers, temperature sensor
- ✓ Integrated XXT Digital Head with "K-Table" storage for temperature correction values
- ✓ Independent control of power to magnetometers and accelerometers
- ✓ Calibrated over the range of 25°C to 175°C
- ✓ Rated to 175°C
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length:</td>
<td>29.0 inches</td>
</tr>
<tr>
<td>Diameter:</td>
<td>1.36 inches (excluding O-rings)</td>
</tr>
<tr>
<td>Power Consumption:</td>
<td>Approx. 2 Watts or less</td>
</tr>
<tr>
<td>Temp Rating:</td>
<td>175°C</td>
</tr>
<tr>
<td>Survival Temperature:</td>
<td>-40°C to +180°C</td>
</tr>
<tr>
<td>Shock:</td>
<td>500 gees peak (1mS half-sine)</td>
</tr>
<tr>
<td>Pointing Accuracy:</td>
<td>Approx 1.0° (±0.1 Inc, ±0.5° Azm)</td>
</tr>
<tr>
<td>Calibration Range:</td>
<td>25°C to 175°C</td>
</tr>
<tr>
<td>Operating Voltage:</td>
<td>±12 to ±15 Vdc</td>
</tr>
<tr>
<td>Input Current:</td>
<td>±67mA max</td>
</tr>
<tr>
<td>Operating Temperature:</td>
<td>-25°C to +175°C</td>
</tr>
<tr>
<td>Vibration:</td>
<td>20 gees rms (10 to 500 Hz)</td>
</tr>
</tbody>
</table>

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### The complete Enteq product range

Enteq Upstream provides next-generation MWD systems and components for Directional Drilling. Enteq is pursuing a focused acquisition strategy and investing in product development in order to provide a range of technologies and products to global and regional service companies.

#### Enteq XXT Downhole Tools
- Directional Sensors
- Directional Interface Module
- Positive Pulser
- Pulser Drivers
- Translator Modules
- Vibration Monitor
- Dual Gamma Interface

#### Enteq XXT Surface Gear
- Mud Pulse receiver cards
- Surface Translator: Tool to PC
- Full Laversab PC surface system

#### Enteq XXT Software
- A full suite of programming and MWD output software with multiple specialized applications

#### Enteq KMS
- MWD mechanical parts
- Mud motor parts
- Float valves
- Fabrication services

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