



## GS2™ – Technology Specifications

The GS2 represents the world's first high accuracy solid state north-seeking gyro survey tool, combining the flexibility of the Gyroflex product range with the ruggedness and low power of solid state technology, providing a high accuracy freefall drop survey capability with extended time in hole.

<b>Instrument Performance</b>	<ul style="list-style-type: none"> <li>■ <b>Accuracy:</b> Dependant on wellbore profile</li> <li>■ <b>Typ Azimuth Accuracy:</b> 1.0° SPE WPTS (ISCWSA) error model available on request</li> </ul>
<b>Operating Features</b>	<ul style="list-style-type: none"> <li>■ <b>Instrument OD:</b> 1.3" (33mm)</li> <li>■ <b>Instrument Length:</b> 33" (838mm)</li> <li>■ <b>Pressure Cased OD:</b> 1.75" (without thermal shield)</li> <li>■ <b>Pressure case length:</b> 40" min</li> <li>■ <b>Pressure Rating:</b> 20,000psi</li> <li>■ <b>Operating modes:</b> Wireline or battery Orientation, survey, memory multishot Continuous survey readout at wireline speeds up to 300 ft/min</li> <li>■ <b>Memory Capacity:</b> 3,000 shots in multishot / Drop mode</li> <li>■ <b>Battery Life:</b> Up to 20 hours (programmable hold off, shot interval)</li> <li>■ <b>Drop Mode:</b> Freefall drop (Go-Devil), drill string retrieved</li> <li>■ <b>Wireline Telemetry:</b> Digital, Mono or multi conductor to 30,000 ft</li> <li>■ <b>Depth Measurement:</b> Auto continuous depth measurement available</li> </ul>
<b>Electrical Power</b>	<ul style="list-style-type: none"> <li>■ <b>Wireline Supply:</b> 125mA Constants current at 30v</li> <li>■ <b>Max Power Consumption:</b> 3 Watts</li> </ul>
<b>Sensors</b>	<p>State-of-the-art tri-axial gyroscopes High accuracy tri-axial accelerometers</p>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>■ <b>Temperature:</b> 32-400°F(200°C) with thermal shield for up to 8 hours 40-200°F (without thermal shield)</li> <li>■ <b>Shock:</b> 1,000g, 1/2 sine 1mS</li> <li>■ <b>Vibration:</b> 10g rms, 20-1,000Hz random</li> </ul>
<b>Surface Equipment</b>	<ul style="list-style-type: none"> <li>■ <b>Wireline Power Supply:</b> 110/240v AC in, 200w Out with protection</li> <li>■ <b>Rig Floor Display:</b> 256 x 128 Transflective LCD with backlight Sealed to IP65</li> <li>■ <b>Software:</b> Windows (98, XP, Vista, Win7+) based Drillog™ service software</li> </ul>

Note: Performance data is based upon measurements in a controlled environment and field results may vary.