

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.

Instrument Performance	<ul style="list-style-type: none"> ■ Accuracy: Dependant on wellbore profile ■ Typ Azimuth Accuracy: 0.5° SPE WPTS (ISCWSA) error model available on request
Operating Features	<ul style="list-style-type: none"> ■ Instrument OD: 1.3" (33mm) ■ Instrument Length: 33" (838mm) ■ Pressure Cased OD: 1.75" (without thermal shield) ■ Pressure case length: 40" min ■ Pressure Rating: 20,000psi ■ Operating modes: Wireline or battery Orientation, survey, memory multishot Continuous survey readout at wireline speeds up to 300 ft/min ■ Memory Capacity: 3,000 shots in multishot / Drop mode ■ Battery Life: Up to 20 hours (programmable hold off, shot interval) ■ Drop Mode: Freefall drop (Go-Devil), drill string retrieved ■ Wireline Telemetry: Digital, Mono or multi conductor to 30,000 ft ■ Depth Measurement: Auto continuous depth measurement available
Electrical Power	<ul style="list-style-type: none"> ■ Wireline Supply: 125mA Constants current at 30v ■ Max Power Consumption: 3 Watts
Sensors	<ul style="list-style-type: none"> State-of-the-art tri-axial gyroscopes High accuracy tri-axial accelerometers
Environmental	<ul style="list-style-type: none"> ■ Temperature: 32-400°F(200°C) with thermal shield for up to 8 hours 40-200°F (without thermal shield) ■ Shock: 1,000g, 1/2 sine 1mS ■ Vibration: 10g rms, 20-1,000Hz random
Surface Equipment	<ul style="list-style-type: none"> ■ Wireline Power Supply: 110/240v AC in, 200w Out with protection ■ Rig Floor Display: 256 x 128 Transflective LCD with backlight Sealed to IP65 ■ Software: Windows (98, XP, Vista, Win7+) based Drillog™ service software

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