

Gyroflex™ – Technology Specifications

The Gyroflex is a north-seeking rate gyro survey tool which provides the ultimate in “gyro-flexibility”, offering multimode slimhole high temperature operation and increased speed of operation, by enabling continuous all angle surveys to be recorded while traversing.

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, drop 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: Controlled descent and landing, drill string retrieved ▪ Wireline Telemetry: Digital, Mono or multi conductor to 30,000 ft
Electrical Power	<ul style="list-style-type: none"> ▪ Max Power Consumption: 6 Watts
Sensors	<ul style="list-style-type: none"> State-of-the-art twin axis 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: 200g, 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.