



GYRO TECHNOLOGIES LTD
Product Data Sheet

GS2™

The GS2 gyro tool, part of the Gyroflex™ range, offers multi-axis MEMS, North-seeking, all-angle gyroscopic surveying.

Capabilities:

- ✓ Immune from magnetic interference
- ✓ Operates in real-time & in battery mode.
- ✓ Built-in CCL for depth determination.
- ✓ Freefall Drop
- ✓ Highspeed Continues Survey.
- ✓ High Accuracy North Seeking

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GS2™ PRODUCT OVERVIEW

The GS2 gyro tool is part of the Gyroflex™ range and features new state of the art multi-axis solid-state MEMS, North-seeking, all-angle capability with built-in CCL. It supports freefall drop and high-speed deployment from vertical to horizontal. The GS2 is not sensitive to magnetic interference and can be used in real-time or battery powered memory modes including kick-off orientation. It fits most drill pipes, rods, and casing sizes down to 1.8" ID. GS2 operates in environments up to 20,000 psi and 200°F and is user-friendly with a Drillog™ acquisition interface.

SYSTEM CONFIGURATION

GYRO SENSOR	Tri-Axial Solid-State MEMS	DEPTH SENSOR MODE DEPLOYMENT	Integrated Continuous Measurement & CCL Wireline and Battery Freefall Drop, Wireline, Slickline, orientation and in combination with logging tools ALC
GYRO TECH ACCELEROMETER	North Seeking Tri-Axial Solid-State MEMS		
AZIMUTH RANGE INCLINATION	0-360° +/- 90°	SURVEY	Multi-Shot, Single-Shot, orientation and High-Speed Continues
CALIBRATION	Automated System		

SPECIFICATIONS

DIMENSION		ACCURACY	
Tool OD	1.7 in	Dynamic Azimuth	0.5° <60° Lat
Sensor OD	1.3 in	Static Azimuth	0.25° <60° Lat
Min Tool Length	40 in	Inclination	0.1°
ENVIRONMENT		Gyro Tool-Face	0.2°
Pressure Rating	20k psi	Gravity TF	0.1°
Max Temperature	200°F	Position Error Rate	1% of total depth (MD)
Max Heat-Shield Temp	400°F	SURVEY TIME	
Max Depth	30k f	Stationary	45 second
STRESS		Continues	1 second
Shock intensity	1000g	Running Speed	300ft/min
Shock Pulse Profile	1/2 sine, 1mS	ELECTRICAL SPECS	
Vibration Intensity	10g rms	Input Power	150mA @ 30V
Vibration Frequency Range	20-1000Hz Random	Output Protected Power	110/240V AC In, 200W
		Wireline Cable	Mono/Multi
		Battery Type	Alkaline
		Runtime	20 Hours
		Memory	3000 Shots
		Tool Consumption	4 Watts

Typical Specifications in controlled environment. Subject to change by manufacturer

