

PRODUCT SPEC SHEET

GYROGUIDE

Memory Gyro Surveying

GENERAL SPECS

Tool Length	15 - 22 ft	4.5 - 6.7 m
Tool OD (standard probe)	1.75 - 2.5 in	44.5 - 63.5 mm
Tool OD (heat shield probe)	2.09 - 3.60 in	53.1 - 91.4 mm
Tool Weight	66 - 275 lbs	30 - 125 kg
Max Pressure Range	30,000 psi	206.8 MPa
Temperature Range (standard probe)	32° - 300°F	0° - 150°C
Max Temperature (heat shield probe)	500°F	260°C
RPM Limit	150 rpm	
- With Backreaming	150 rpm	
Max Operating Time*	Lithium Battery 32 hrs	Alkaline Battery 12 hrs

SENSOR SPECS

Sensor Type	Spinning mass north finding gyroscope	
Running Mode	Gyrocompass or Continuous	
Max Recommended Surveying Speed	1,000 ft/min	300 m/min
Memory Storage	62 hrs	
Measurement	Range	Accuracy #
Inclination		
Gyrocompass Mode	0 - 70°	± 0.05°
Continuous	0 - 90°	± 0.05°
Azimuth	0 - 360°	± 0.1°

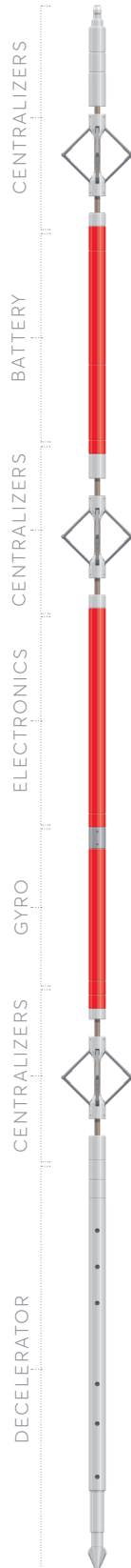
*Operating Time specifications based on a single battery pack, additional battery packs can be included in the tool configuration to extend the time up to 62 hours (memory capacity).

ISCWSA / SPE WTS compliant error ellipse reports are available upon request for specific well profiles.

SERVICE SUITE

Multishot	Gyrocompass multishots to determine wellbore trajectory
Orientation	Gyrocompass orientation of drilling assemblies and other downhole tools
Continuous	High speed, high resolution surveying while running

Specifications are subject to change based on well profile, conditions, and tool configuration. Contact your Gyrodata representative for details. Updated April 2019. Copyright ©2019 Gyrodata, Inc.



Gyrodata's GyroGuide memory services provide high accuracy wellbore placement with a comprehensive suite of drop or slickline services including positional, orientation, and continuous surveys. Advancements to our gyro sensor technology, electronics, and housing design allows the tool to be run in most drillpipe and casing sizes (down to 1.9-in.), as well as in an extensive range of pressures and temperatures. Additionally, Gyrodata provides expert data interpretation for even the most complex situations.

DESIGN + PERFORMANCE

- Utilizes a rate-gyro and accelerometer sensor package in a rugged housing to withstand high pressure & high temperature operations
- Deployed as a drop system or to be run on slickline with up to 62 hours of survey time in memory
- Collects survey data during the trip out of the hole while pipe is in slips, which allows surveying from TD to surface
- Allows pumping and rotating while being dropped to prevent stuck pipe

MARKET + APPLICATIONS

- Vertical & Directional Wells
 - Cased Hole - Large Conductor, Casing/Liner, Drillpipe, Tubing
 - Open Hole
- Orientation & Steering
 - BHA/Motor
 - Whipstock/Packers
 - Subsea Wellhead
 - Geophones (VSP)
- Multishot Surveying
 - Definitive Surveying
 - Surveys Areas of Magnetic Interference
 - Gross Error Detection
 - Survey Validation
 - Depth Correlation
 - EOU Reduction