PRODUCT SPEC SHEET

GYROGUIDE

Real-Time Gyro Surveying

GENERAL SPECS

Tool Length	10 - 22 ft	3 - 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	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
	Unlimited or u	p to 24 hrs with

heat shield probe, depending

on wellbore temperature

CENTRALIZERS

CENTRALIZERS

ECTRONICS

CENTRALIZERS

SENSOR SPECS

Operating Time

Sensor Type	Spinning mass north finding gyroscope	
Running Mode	Continuous or Gyrocompass	
Max Surveying Speed	500 ft/min	152 m/min
Measurement	Range	Accuracy*
Inclination Continuous Mode Gyrocompass Mode	0 - 180° 0 - 70°	± 0.05° ± 0.05°
Azimuth	0 - 360°	± 0.1°
Gyro Tool Face	0 - 360°	± 0.1°
Gravity Tool Face	-180° - +180°	± 0.05°

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

SERVICE SUITE

Continuous	High speed, high resolution continuous surveying while running
Steering	Continuous orientation and multishot surveying while running
Multishot	Gyrocompass multishots to determine wellbore trajectory
Orientation	Gyrocompass orientation of drilling assemblies and other downhole tools
Advanced Logging Combination	Continuous or gyrocompass surveying run in combination with logging tools, geophones or guns

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.

Patent: www.gyrodata.com/patents

Gyrodata's GyroGuide real-time services provide high accuracy wellbore placement with a comprehensive suite of e-line services including positional, orientation, steering, 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
- □ Communicates to surface in real-time via electric line
- □ Capable of running up to 500 feet per minute in continuous mode from vertical to horizontal while traversing in or out of the well
- □ Continuous surveys can be recalculated, postacquisition, to shorter survey intervals if required

MARKET + APPLICATIONS

- Vertical & Directional Wells
 - Cased Hole -Large Conductor, Casing/Liner, Drillpipe, Tubing
 - Open Hole
- Multishot Surveying
 - Definitive
 Surveying
 - Survey Areas of Magnetic Interference
 - Gross Error Detection

- Survey Validation
- Depth Correlation
- EOU Reduction
- □ Orientation & Steering
 - BHA/Motor
 - Whipstock/
 Packers
 - Subsea Wellhead
 - Perforating Operations
 - Geophones (VSP)

