

Gyro ONE®

SENSOR TYPE: INCLINATION

Type:	Triaxial
Range:	0-180°
Accuracy:	± 0.1°
Shock:	6000G

SENSOR TYPE: GYROSCOPE

Type:	Solid State
Accuracy (Time Dependant):	± 0.1°
Shock:	2000G

BARE INSTRUMENT SIZE

Diameter:	30 mm (1.18")
Length (Tool only)	1.29 m (50.8")
Length (Memory)	1.69 m (66.6")
Length (Wireline)	1.53 m (60.3")
Weight:	2.49 kg (5.5 Lbs)

PERFORMANCE (APPLICATION, TIME DEPENDANT)

Azimuth	+/- 0.1°
Gyro Tool-Face	+/- 0.1°
Inclination	+/- 0.1°
Gravity Tool-Face	+/- 0.1°
Battery Life	Greater than 30 Hours
Recommended Cells	Saft LSH 14 (C size)
Gyro Compass Time	≤ 1 minute = +/- 1°
Measurement Time	As low as 15 Seconds

IN THERMAL HOUSING

Diameter:	46 mm (1.8")
Length:	2.36 m (93.1")
Pressure max	18000 psi
Temp rating:	175° C
	Customizable for clients' requirements

IN HIGH PRESSURE HOUSING

Diameter:	44 mm (1.75")
Length:	2.00 m (79.0")
Pressure max	18000 psi
Temp rating:	-5° C to +85° C



Notes: Specifications subject to change without prior notice. GYRO ONE® is a registered trademark of Icefield Tools Corporation. Sensors are solid-state, manufactured in Europe and North America and calibrated on our proprietary calibration fixtures using proprietary software. Calibrations include non-orthogonality, second-order non-linearity, and fourth-order temperature compensation. The Instruments are not subject to Wassenaar Export Controls, owing to the use of carouselling to mitigate sensor drift. Specifications are characterized at the factory located at 60°N. Static north seeking azimuth specifications improve as latitude approaches the equator.