



tilt link HR 3D V

TECHNICAL SPECIFICATION

Sensor	3D accelerometer, 3D magnetometer 3D, thermometer; 2D electrolytic cell, thermometer
Accelerometer range	± 2 g
Accelerometer sensitivity and stability	0.244 mg/LSB - ± 0.008 %/°C
Accelerometer accuracy	± 1 %
Magnetometer range	± 1200 µT
Magnetometer sensitivity and stability	0.1 µT /LSB - ± 0.1 %/°C
Magnetometer hysteresis	± 1 % FS
Thermometer sensitivity (MEMS)	0.96 °C/LSB
Thermometer repeatability (MEMS)	1 °C
Electrolytic cell range (linear)	± 25°
Resolution of electrolytic cell	< 0.2 arc minutes (.003°)
Repeatability of electrolytic cell	± 0.1 °
Temperature coefficient (electrolytic cell)	
Null	20 arc seconds/°C
Scale	0.1 %/°C
Total accuracy	Depending on MUMS chain configuration and length
Operating temperature range	-40 °C ÷ +85 °C
Centre-to-centre between sensors	50 - 100 cm (standard) *
Length and Diameter	125 mm – 37 mm
Borehole suggested diameter	≥ 130 ÷ 150 mm
Node weight	0.2 kg
Kevlar cable traction strength	15 kN
Electrical cable	CEI 20-35

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MUMS is a patent system

