



# HGS (INDIA) LIMITED



## SPECIFICATION SHEET - Cesium magnetometer QuantumMag

**QuantumMag** is one of the most advanced and lightweight versions of high-precision cesium vapour magnetometers on the market. The system allows one to measure the Earth's total magnetic field with highest accuracy and rate. The device can be used as a walking magnetometer, gradiometer, base station, or even as a GNSS base and rover with centimeter accuracy in PPK mode.

- Very fast - up to 100 readings per second
- Effective in noisy conditions
- Built-in multi-band GNSS receiver and flashlight
- Lightest in the World
- Keypad for right- and left-handed people
- LiFePo4 battery included

### MaxiMag



Sensor can be carried in the backpack harness (regular survey) or at the shoulder belt (e.g. for UXO and utility detection) depending on the selected survey technique.



HGS (INDIA) LIMITED  
 158, Sector-4, IMT Manesar, Gurugram-122050, Haryana, INDIA  
 Tel: +91 (0124) 4681800  
 Email: [sales@hgsindia.com](mailto:sales@hgsindia.com) | Website: [www.hgsindia.com](http://www.hgsindia.com)



<b>Specifications:</b>	
Dynamic range	15 000 ÷ 110 000 nT
Sensitivity	0.002 nT/ $\sqrt{\text{Hz}}$
Resolution	0.001 nT
Gradient tolerance	up to 20 000 nT/m
Max sample rates	up to 100 Hz
Additional sensors	IMU, compass, barometer
GNSS receiver and antenna	built-in and optional external
Interfaces	built-in: USB, RS-232, CAN FD optional: Ethernet
Dimensions with connectors	Ø82×120mm – CMx sensor 260×150×45 mm – console
Power supply	11-16.8 VDC, Li-ion, LiFePo4 or lead-acid battery optional: 100-240 VAC
Battery included	12.8 V, 7.5 A-h
Operating temperature	-40 to +60 °C
Weight of a set	4.8kg – magnetometer 7.0 kg – gradiometer

<b>Ordering Information</b>	
<b>Item Description</b>	<b>HGS Part No.</b>
Cesium magnetometer QuantumMag	MK001553



HGS (INDIA) LIMITED  
 158, Sector-4, IMT Manesar, Gurugram-122050, Haryana, INDIA  
 Tel: +91 (0124) 4681800  
 Email: [sales@hgsindia.com](mailto:sales@hgsindia.com) | Website: [www.hgsindia.com](http://www.hgsindia.com)

Version 1.0

