www.geomatrix.co.uk
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G-858AP Data Sheet

Portable Caesium Magnetometer/Gradiometer and Professional Magnetic Mapping System the G-858 MagMapper uses a graphical interface to make survey design and data acquisition quick and efficient. Various modes of operation allow the user to custom design a survey grid for their particular needs.



Geometrics G-858 Gradiometer & GPS setup

The operator also has the ability to view his/her position on the grid and the current data profile during the survey. Sensitivity, resolution, and recording rate of the caesium magnetometer are user selectable. G-858 data acquisition offers either continuous or discrete station recording. The high sampling rate of the instrument in continuous mode allows the operator to survey an area at a fast walking pace. A wider search radius can be achieved by using a horizontal transverse gradiometer configuration.

As a result, over-all costs are inherently lower while data quality remains high. The G-858 is designed to interface easily with standard computers and peripherals. Geometrics encourages clients to provide their own processing computer hardware. Upon the client's request Geometrics will provide a complete and fully integrated processing station at a nominal price.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	250cm x 60cm x 220cm	11kg

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Technical Specifications

Operating Range:	20,000nT to 100,000nT
Noise:	20,000nT/m
Temperature Drift:	

Gallery



Mag Cart with G-858 gradiometer- sensors are positioned for dual traverse acquisition.



G-858 backpack power and data interface box

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G-858 Backpack, showing battery pouch.



Close up as vertical Gradiometer



Jonathan undertaking a Heading Error test



Side profile

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Videos

G-858 MagMapper
https://www.youtube.com/watch?v=IMrs66kOM74

G-858/Backpack (Field Survey)
https://www.youtube.com/watch?v=n1m8cnNBK9U

G-858GAP Unpacking & Installation
https://www.youtube.com/watch?v=Jrnpec0EbGo

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