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Gradiometer Controller Data Sheet

The G-882 Gradiometer Controller was designed by Geomatrix Earth Science Ltd to specifically manage power distribution and data for an array of Geometrics G-882 marine magnetometers deployed on a gradiometer frame. This power and data solution permits a array of G-882 magnetometers to be deployed off a soft tow cable… no wire line or telemetry system required… and is perfect for shallow water small deployments.



Geomatrix Gradiometer Controller.

Features

- Automatic Power and data management.
- Controls up to 4 G882 marine magnetometers and one serial device.
- Regulated 28V DC output at wet end.
- Rack mountable.
- Typically supplied with 150m soft tow cable and 20m deck lead.
- High load soft tow cable with rugged polyethylene outer jacket, boasts a breaking strain of 2000kg.
- Custom frame cabling.
- No wet end electronics required.
- Simplifies system diagnostics and trouble shooting.
- Supplied in rugged transit case.

The distribution unit supports 3 data channels. By concatenating 2 G-882 magnetometers, and passing the data as a single sentence, the Gradiometer controller is capable of supporting 4 G-882 magnetometers and one other serial device. The third data channel offers the user the ability to record a frame mounted altimeter, gyro or responder. Power is automatically regulated by the specialised electronics ensuring a constant 28V DC is supplied to all devices.

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The front panel LEDs indicate when data is being received by the G-882 magnetometers and the serial device, simplifying system fault diagnostics.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	47cm x 33cm x 33cm	10kg

Technical Specifications

Power Input:	100-240VAC
Power Output:	200 W, regulated 28VDC
Channels:	3
Communication:	RS232, 4800-56200 baud

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