

RECORDER WITH INTERNAL BATTERY

32 GB OF SOLID-STATE DATA STORAGE



PRODUCT DESCRIPTION

The GSB-3 is a three-channel, autonomous land wireless seismic data acquisition solution. An internal battery, charger, 24-bit digitizer, GPS receiver, and GLONASS receiver are enclosed in its sealed case. A built-in test signal generator and up to 32 GB of non-volatile, solid-state data storage allow for quality and reliable data. The GSB-3 can record data at a 2ms sample rate for 24 hours a day, for 40 days. An external battery can be connected to extend recording time.

FEATURE HIGHLIGHTS

- Continuous cable-free autonomous recording
- 24-bit resolution and 124 dB instantaneous dynamic range
- Connector for external geophone
- Battery life: 40 days @ 24 hrs/day operation
- Built-in full resolution test generator
- Solid-state flash memory: 32 or 64 GB



GSB-3

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MECHANICAL SPECIFICATIONS

	METRIC	US
Length x Width	16.94 x 8.89 cm	6.67 x 3.50 in.
Height	7.62 cm	3.0 in.
Weight	1.0 kg	2.2 lbs.
Operating Temperature Range	-40°C to +60°C	-40°F to +140°F

ELECTRICAL SPECIFICATIONS

Digitized 3C Recording Station: 3 Channel, 24-bit A/D Digitizer

Digitization	24-bit Delta-Sigma
Sample Interval	0.25, 0.5, 1, 2, 4 ms
Pre-amplifier Gains	0, 6, 12, 18, 24, 30, 36dB
Maximum Input Signal	1.77 Vrms
Equivalent Input Noise (@2ms sample interval)	0.17 μ Vrms
Gain Accuracy	Better than 1%
Anti-alias Filter	83% Nyquist
Instantaneous Dynamic Range	124 dB @2ms sample interval
THD (Instrument)	0.00%
Flash Memory	10 GB or 20 GB per channel
Frequency Response	1 Hz – 1650 Hz @ ¼ ms sample interval
Battery Module	40 days operation

SOLUTIONS FOR A SMARTER FUTURE

Specifications subject to change at sole discretion of Geospace Technologies.