



***** GEM-2 NOW INCLUDES TRIMBLE NOMAD DATA LOGGER *****

GEM-2 Ski

The GEM-2 is a handheld digital programmable electromagnetic sensor, and our best-selling product. Its portability and flexibility make it the go-to multi-tool of the industry.



Because it is comfortable to carry and has a field-swappable battery, extended surveys are no problem. Its powerful transmitter and wide coil separation allow scanning to depths up to 10 meters, depending on soil conditions.

Frequency programmability allows you to tailor detection to your intended targets and environmental conditions. The frequencies can also be programmed to mimic the configuration of other instruments, possibly replacing several instruments with one GEM-2 ski. The extended frequency range also provides unique detection capabilities.

The standard GEM-2 package provides everything you need to get started: sensor boom (ski) with electronics console, a ruggedized data logger that also provides the user interface and display, 2 batteries, battery charger, a shoulder strap and a carrying case. It also includes a calibration ferrite and CD-ROM containing the manual and the operating software. The data logger is factory calibrated and preconfigured for immediate use.



GEM-2 Ski Specifications

- 12V battery operation, field-swappable spare included
- Bluetooth or RS-232 communication + serial GPS input
- Frequency domain operation, up to 10 simultaneous frequencies between 25 Hz and 96 kHz
- Sampling rate 25 or 30 Hz for local noise rejection
- Provides In-phase and Quadrature response at each frequency + power line amplitude. Timestamps and GPS input automatically merged with the recorded data.
- Maximum TX moment of 3 amp-m² @ 330 Hz
- Sensor is 185 cm x 12.5 cm., 4 kg.

Use it for:

- Soil contamination studies, brine or chemicals
- Leakage from tanks or ponds
- Location of abandoned landfills and facilities
- Identification of underground structures
- Precision agriculture
- Forensic investigation and archaeology
- Geotechnical education