Nomis Mini-Graph® Seismograph

Helix Technologies Pty Ltd - Appointed as Australian Distributor of Nomis Seismographs used in many countries around the world by leading explosives manufacturers, mines and quarries and environmental protection agencies for monitoring of blasting operations.

Nomis Mini-Graph® 7000

Supplied with a Powerful easy to use Software program

Optional GSM modem link for remote downloading of data direct to your PC.

The Mini-Graph's state of the art battery capability, instant read out, easy data transfer and simple field set up and operation make this the mini seismograph to meet your monitoring needs.

Features

- Instant LCD readout for all blast results
- Sturdy case makes for completely self contained unit
- Case mounted microphone with ground spike alternative
- Standard 175+ event memory, optional 300+ memory
- Completely waterproof for continuous all weather operation
- Standard RS-232 port for downloading with downloading software for Windows included
- Less expensive alternative for multi location monitoring

PRODUCT PRICE LIST	Qty	PRICE	TOTAL
Nomis Mini-Graph® 7000 c/w Case, tri-axial geophone, microphone, powerful Nomis software and ready to use for blast monitoring (excl. GST)		$7950	
Plus GST for Australian customers		$795	
		Total Price	

Name: _____ **Position:** _____

Company: _____

Address: _____

Address: _____ **State:** _____

Telephone ( ) _____ **Fax ( )** _____

Email: _____ **Country:** _____

Send more information ☐ **Contact for discussion** ☐

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Email: helix@vianet.net.au Web: www.helixtech.com.au

Nomis Mini-Graph® 7000

Giant Features in a Small Package

The NOMIS MINI-GRAPH® 7000 is one giant step ahead in seismic monitoring technology. From the sturdy aluminium housing to the unbreakable carrying case, this instrument is designed for field use.

Reliable Field Operation

The reliability of any mini series seismograph depends on the capability of its power source. The NOMIS MINI-GRAPH® is designed to last for at least 10 days.

It also has an internal alarm timer that allows the operator to program operating hours to further conserve battery life. The unit can also be connected to an automobile battery or solar panel that will allow extended operation over several months.

Regardless of the power source, the MINI-GRAPH® always displays battery voltage on the LCD display. And, to insure data storage, a nonvolatile memory saves all data no matter what happens to the battery.

Instant Data Readings

The MINI-GRAPH® can stand alone with no additional accessories needed for on-site readings. Blast data are available instantly on the MINI-GRAPH's® easy to read LCD display.

It is easy to print records on regular printer paper by transferring data from the MINI-GRAPH® to a personal computer or laptop. A personal computer can also be used to program other information such as client, location, operator or comments on the MINI-GRAPH® record.

This information can also be changed or added when the record is printed using the MINI-GRAPH® waveform software included at no charge.

Easy Field Installation

Field installation is fast and simple. A push button deactivation switch on the microphone or keypad allows the operator to install or remove the instrument without recording false triggers.

Because the MINI-GRAPH® is water tight, it can be used in all types of weather conditions. An optional external transducer box allows for easier coupling to the recording medium. A standard microphone is provided with a five foot (2M) cable to position the microphone for proper sound measurement. A rugged, unbreakable carrying case is provided which also doubles as a microphone mast support and storage box for long term monitoring.

The NOMIS MINI-GRAPH® , with its unsurpassed battery capability, instant data reading and simple field operation is the mini seismograph that you've been looking for. For more information or a demonstration, contact Helix Technologies.

SPECIFICATIONS

Seismic	
Frequency Response	2 to 400 Hz (1 Hz optional)
Seismic Sensors	Accelerometers or geophones are available
Sample Rate	Selectable from 32 to 1024 samples per second per channel (2048 optional)
Recording Ranges	User selectable .0025 IPS to 2.56 IPS (.06 to 65 mm/s) .01 IPS to 5.12 IPS (.25 to 130 mm/s) .02 IPS to 10.0 IPS (.5 to 254 mm/s) .04 IPS to 20.0 IPS (1 to 508 mm/s)
Trigger Levels	.0025 to 1.14 IPS (.06 to 28.9 mm/s)
Calibration Test	A dynamic transducer test performed automatically after each event. The test results are stored in the summarized data.
Sound	
Frequency Response	2 to 400 Hz
Microphone	Ceramic element rated to at least 160 dB
Recording Range	User selectable 100 to 142 dB (.02 to 2.50 millbars) 106 to 148 dB (.04 to 5.12 millibars)
Trigger Levels	106 to 148 dB
Calibration Test	An electronic test of the microphone is performed with the seismic test and stored in memory along with the seismic test
General	
Data Channels	1 acoustic and 3 seismic channels
Memory	Solid state with all summary, setup, and recorded data retained with power off. A lithium backup battery retains data if primary power fails.
Timer Mode	Allows an instrument to be active only during selected hours on a daily basis.
Display	High contrast LCD has two lines of 40 characters
Keyboard	5 keys for entering setup data and operating commands
Battery	Internal 6 volt rechargable, operating time of 10 days. Several months' operation using a small solar cell or automobile battery.
Operating Temperature	0 to 130 degrees F (-18 to 54 degrees C)
Case	Heavy gauge aluminum for effective electrical shielding and rugged protection. (Stainless steel optional) Case is sealed for shallow burial.
Size	Approximately 8" x 4" x 2.5"
Weight	Approximately 3.5 lbs. (1.6 Kg) without accessories.
Record Storage	The full waveform signature is stored in solid state memory for up to 340 events. Summarized data includes the event time, date, battery voltage, peak measurements (including frequencies), unit serial number and client/location data.
Recording Units	Selectable, English (U.S.) or metric
Recording Time	1 to 42 seconds depending on sample rate
RS232 Serial Port	Data may be downloaded and setup commands my be uploaded directly by computer or remotely by modem.
Baud Rate	Baud Rate is selectable from 1200 to 38.4K

HELIX Technologies

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