

SUPERGRAPH



The Newest Seismograph With The Most Updated Features Of Any Unit On The Market

Features

- Standard sample rates up to 4000 samples per second
- 30+ days monitoring without battery charging
- Advanced Bar Graph Mode records histogram with many user selectable options
- Normal wave form recordings with large recording range
- Advanced cellular and modem operations including automatic email delivery of data
- Models available with or without internal printer
- Full feature keyboard for data entry
- No wait time between events so you will not miss consecutive events
- Quick and easy set up procedures + Easy access to battery for replacement and shipping
- Standard event memory storage for 700 events
- Unique option to name & save set up information
- Complies with current ISEE seismograph standards
- 2 Years Warranty on parts & labor

Toll Free: 800-749-2477 (USA)
Visit us at: www.nomis.com

Phone: 205-592-2488 • Fax: 205-592-2455
E-mail: sales@nomis.com

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TECHNICAL SPECIFICATIONS

SEISMIC

Seismic Monitoring (with Standard Triaxial Geophone)

Range	0 – 10 in/s (0-254 mm/s) - Standard
Resolution	.005 in/s
Accuracy	+/- 3%
Transducer Density	< 150 lbs/ft ³
Frequency Response	2 – 400 Hz (1 Hz optional)

Accelerometers - Optional

SOUND

Weighting Scales	Linear (flat)
Linear Range	92-148 dB
Linear Resolution	.0025 milli bars
Linear Accuracy	+/- 1 dB or +/- 10 % whichever is greater
Linear Frequency Response	2 –400 Hz

WAVEFORM RECORDED DATA

Record Modes	Waveform & Manual
Seismic Trigger Range	.0075 -10 in/s (.19-254 mm/s) , no trigger, manual Lower Levels Optional
Sound Trigger Range	
Linear	92 - 148 dBL, no trigger (other levels optional)
Sample Rate	1024 – 4096 Standard, Higher rates optional
Record Time	1-80 seconds
Cycle Time	No wait time between events
Storage Capacity	700 one second events standard @ 1024 samples/s

BAR GRAPH DATA

Record Mode	Bar Graph (Histogram)
LCD Readings	Real Time update 1-60 seconds selectable
Bar Recording Interval	1, 10, 20, 30, 40, 50, 60 seconds
Summary Interval	5, 15, 30 minutes, 1, 2, 4, 8, 12, 24 hours
Summary Data	Peak R,T,V + Sound & Frequencies for each Choice of vector sum and displacement

PHYSICAL SPECIFICATIONS

Dimensions	10.5 x 14 x 6.6 in. (267 x 356 x 168 mm)
Weight	15.6 lbs. (7 kgs)
Battery	6 Volt, gel type rechargeable, 30 days duration
Display – LCD	8 lines x 21 characters with backlight
Printer	High resolution thermal printer
PC Interface	RS-232 & additional 15 pin auxiliary connector
Auxiliary Inputs and Outputs	External trigger & remote alarm
Operating Temperature	10 to 120 ⁰ F (-12 to 50 ⁰ C)
Remote Communications	Full function RS-232 Port, compatible with telephone, GSM, Satellite, RF
Warranty	2 Years, Parts & Labor