

TO
OF



**INSTRUMENT
ACHIEVE
MONITORING**

3-DIMENSIONS VIBRATIONS

In many construction sites, Vibration Monitoring is always required. Constructions like blasting, mining, quarrying and pile driving etc; NOMIS Supergraph is an ideal seismic instrument to achieve monitoring of 3-dimensions vibrations and the SPL (Sound Pressure Level).

Features:

MINI-Supergraph	Supergraph
Quick and easy set up procedures	Quick and easy set up procedures + Easy access to battery for replacement and shipping
14 days monitoring without battery charging	30+ days monitoring without battery charging Case mounted microphone with ground spike alternative
Self trigger (wave form) and Advanced Bar graph modes standard	Advanced Bar Graph Mode records histogram with many user selectable options
All results displayed on one LCD screen with back light	Normal wave form recordings with large recording range
Help menu on LCD	Full feature keyboard for data entry
-	Models available with or without internal printer
Advanced cellular and modem operations including automatic email delivery of data	
No wait time between events so you will not miss consecutive events	
Standard sample rates up to 4000 samples per second	
Standard event memory storage for 700 events	
Unique option to name and save set up information	
Complies with ISEE seismograph standards	

Promat (HK) Ltd

901 New Trend Centre, 704 Prince Edward Road East, San Po Kong, Kowloon, Hong Kong

寶時(香港)有限公司

香港九龍新蒲崗太子道東 704 號新時代商業中心 901 室

Tel.: (852) 2661 2392 Fax. (852) 2661 2086 e-mail: info@promat.hk http:// www.promat.hk



Your Solution To Testing Instrument

Specification	MINI-Supergraph	Supergraph
Seismic		
Range	0 - 10 in/s (0-254 mm/s) - Standard	
Resolution	.005 in/s	
Accuracy	+/-3%	
Transducer Density	< 150 lbs/ft3	
Frequency Response	2 - 400 Hz (1 Hz 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 Freq. response	2 - 400 Hz	
Waveform Rec. 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	
Physical Specifications		
Dimensions	6 x 4.25 x 3 in. (152 x 108 x 76 mm)	10.5 x 14 x 6.6 in. (267 x 356 x 168 mm)
Weight	4.1 lbs. (1.9 kgs)	15.6 lbs. (7 kgs)
Battery	6 Volt, gel type rechargeable, 14 days duration	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 & Outputs	External trigger & remote alarm	
Operating temperature	0 to 120 F (-8 to 50 C)	
Remote Communications	Full function RS-232 Port, compatible with telephone, GSM, Satellite, RF	

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