

Nomis 5400 Specification

Ground Vibration

Trigger Level:

Programmable in steps of 0.25mm/s, from 0.5mm/s to 102mm/s

Maximum Range:

102mm/s standard

204mm/s optional

Frequency Range:

2-500Hz (5-second graph)

2-250Hz (10-second graph)

2-150Hz (15-second graph)

1 Hz Geophones optional

Accuracy:

+/-3% of full scale at 160Hz

Sample Rate:

1024 samples per second per channel (for 5s record)

Transducer:

Tri-axial geophones - 2 Hz standard (1Hz optional)

Air Over Pressure

Weighting Scale:

dB(Linear Peak)

Measuring Range:

100-140dB(Lpeak)

90-140dB(Lpeak) optional

Frequency Range:

4-500Hz

Accuracy:

+/-0.7dB at 127dB(Lpeak) and 250Hz reference point

Trigger Level:

100-140dB in 1dB steps

General

Recording:

Thermal printer, dot matrix, 80mm wide paper printout, giving 55+ events/roll

Internal Memory:

Internal memory standard, giving 100+ events storage capacity for 2s records

Date and Time Indication:

Month, day and year. Hours, minutes and seconds

Measuring Time:

User selectable: 2, 3, 5, 10 and 15s recording periods, including 0.5s pre-trigger information

Total Cycle Time:

Approximately 2.5minutes with long report, 1.5minutes with printer off

Shielding:

Analogue circuits shielded against interference

Temperature Range:

-20 to +50 C

Graphical Printout:

Peak Particle Velocity in mm/s for each of the 3 axes, against time

Air over pressure in dB against time

LCD:
8 line by 40 column text & graphics display
Backlight for dim areas (optional)

Construction:
Unit is self-contained in tough plastic case

Weight:
7.3 kg

Size:
178 x 154 x 279mm

Power

Internal Batteries:
6v, 9Ah, gel-type, rechargeable
Up to 30 days with printer off (Printer on - 20 days)

External Power:
AC Adapter; 9vDC @ 500mA
6v wet cell battery
Solar panel - optional