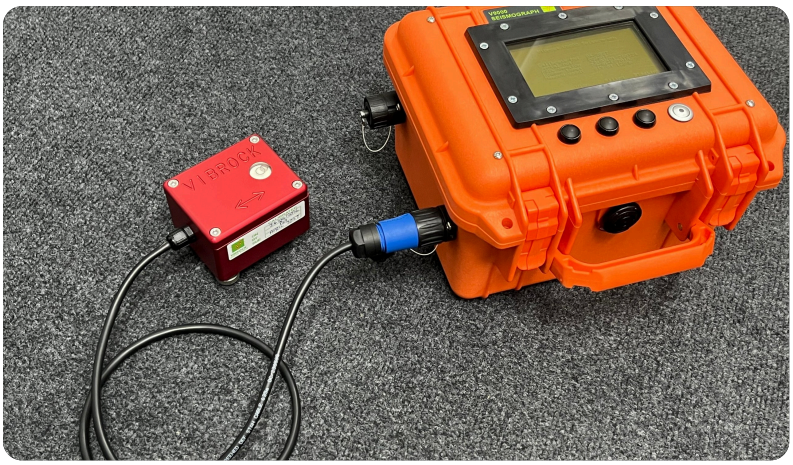
PLACID
NOISE & VIBRATION INSTRUMENTS

MANUFACTURED BY VIBROCK · UK
Authorised distributor in Thailand: Placid Asia Co., Ltd.

VIBROCK V9000

SEISMOGRAPH · VIBRATION MONITOR

Tri-axial vibration monitoring for blasting, piling, demolition and construction sites





0.1–200
mm/s PPV range, auto-scaling

1 ms
sample interval on all 3 axes

30 days
continuous 24 h/day monitoring on 4 × D cells

2 modes
Blast (Trigger) and Piling (Continuous)

Real Measurement Results

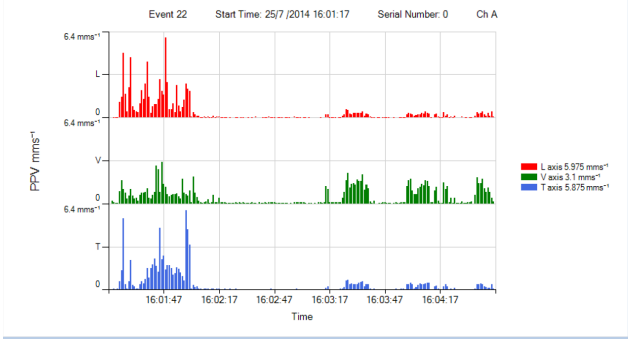
Vibrock PC software · data downloaded via USB

BLAST MODE · Trigger — 3-axis waveform + event summary



Event 35	PPV mm/s	Freq Hz	Acc g	Disp mm
Long.	2.375	35.7	0.0675	0.0938
Vert.	2.875	31.3	0.0975	0.025
Trans.	5.325	31.3	0.15	0.0438

PILING MODE · Continuous — PPV per axis L / V / T



Measurement Duration & Data Logging

Item	Blast Mode (Trigger)	Piling Mode (Continuous)
Recording start	Automatic when vibration reaches the trigger level (default 0.5 mm/s, adjustable from 0.1 mm/s)	Records continuously from the moment the mode is started
Data resolution	1 ms per axis (full waveform)	Peak PPV every 5 s (default), adjustable down to 1 s
Event length	Auto record length 2–15 s per event	Up to 24 hours per event
Memory capacity	Approx. 500 trigger events	Approx. 21 days at 1-second intervals
Deployment time	Up to 30 days (24 h/day) on 4 alkaline D cells · daily monitoring windows with the **7-Day Timer** and Sleep Mode to extend battery life · external 12 V / mains supply for long-term monitoring	

* No data is lost when batteries run flat — any event in progress is saved. Battery life depends on temperature and fitted options (up to 40 days per operator manual).

Key Features

- Records PPV, acceleration and displacement, with frequency plots
- Air overpressure 100–152 dB (Linear) with optional microphone
- Backlit LCD for instant on-site readout and event review
- Options: remote modem, SMS alerts, GPS, 2-stage alarm, VDV, twin channel
- Save, export and PDF reports from PC software · mounting per BS 7385

Specifications

Range / Trigger	**0.1–200 mm/s / from 0.1 mm/s**
Power	**4 × D cells (opt. 12 V / mains)**
Dimensions / Weight	**300 × 250 × 180 mm / 3 kg**
Operating temperature	**–5 °C to +50 °C**
PC connection	**USB (Plug & Play)**

www.placid.asia