

## VIBRATION MONITOR HIRE TERMS & CONDITIONS

Vibration monitors are precision scientific instruments that require care and maintenance for successful operation and reliability. The following information aims to cover both Terrock's and your responsibilities when hiring a Terrock vibration monitor.

From January 2015, vibration monitors will be hired out at the following rates (excludes GST):

Item	Cost (ex. GST)
Unit hire including accessories (1 week minimum) (including time in transit, unless otherwise agreed)	\$ 600/week (7 days) \$1500/month (~30 days)
Vibration exceedence alert system	\$ 275 per week (7days)

Freight of monitors will be charged to your account at the applicable rate of the nominated carrier, or you may organise pickup and return by your preferred carrier yourself. Pickup or delivery of the monitor(s) in person at Terrock's Melbourne office in Eltham can also be arranged.

Although vibration monitors are designed to work in harsh environments, they may malfunction if used inappropriately. The following instructions must be observed by the hirer to prevent damage to the monitor and ensure a successful outcome from the use of the monitor and its accessories.

- The monitor must be left on charge in a secure location overnight
- If unattended, ensure the monitor is installed in a secure location away from public access, such as a fenced work area or on private property (with consent of the landowner)
- Use a high visibility marker ie; witches hat, to reduce the risk of collision or accidental contact with the monitor
- Never use a hammer to install the microphone stand (it will damage the thread)
- Avoid installing the monitor in very wet or humid locations
- When monitoring airblast overpressure, always use the microphone windshield
- Never use the microphone under high-voltage powerlines or close to electric fences (they will cause static interference)

- Always break the geophone coupling using a levering device such as a screwdriver, **DO NOT PULL ON THE GEOPHONE CABLE**
- If you need to leave the monitor running continuously over a long period (more than a day), please contact Terrock for advice
- Terrock will not be held responsible for improper use of the monitor

Monitor hire includes microphone with stand and windshield (for blast monitoring), geophone (internal or external), charger. You may also require Plastibond 2-part epoxy and a spiked plate for installation at locations where a solid ground foundation does not exist. Please ensure the monitor and all its accessories are returned in good working order. Lost or damaged equipment will be charged at the following current replacement costs:

Item	Cost
Monitoring Unit	\$8,000-10,000
Ext. Geophone	\$1,175
'L' Series Microphone	\$750
Microphone stand	\$150
Download cable	\$115
Charger	\$40
Spiked plate	\$80
USB Serial Pin Converter	\$50
Compact Flash Card Reader	\$80

Any follow up work requested by the hirer, such as downloading, data processing, data analysis and reporting will be charged in accordance with Terrock's Standard Schedule of Rates.

If you have any questions, please contact Terrock Consulting Engineers during office hours (03) 9431 0033 or by email at [terrock@terrock.com.au](mailto:terrock@terrock.com.au).

