



Sigicom INFRA C22 Wireless Vibration Monitor

The Sigicom INFRA C22 is a wireless vibration monitor with a built-in triaxial geophone. It transmits data to the internet for processing, eliminating nearly all data handling, and it operates up to four months on its rechargeable batteries, eliminating nearly all site visits.

Specifications

Sensors: Built-in triaxial geophone.

Measurement Standards: 59+ selectable standards provided by digital signal processor. Specs for ISEE / USBM standard are listed below.

Level and Frequency Ranges: 10 in/s, 2-250 Hz.

Max Resolution: 0.002 in/s and 3 significant digits.

Threshold Range (Trigger Levels): 0.02 – 9 in/s.

Sample Rate: 4096 Hz.

Logging Interval: 5 sec to 20 minutes.

Interval (Histogram) Recording: Max value for each channel is recorded for each interval. V, L, and T are always recorded. Selectable channels include frequency, frequency-weighted values with relative frequencies, resultant, vibration dose value, and accumulated VDV.

Transient (Waveform) Recording: Up to 2 minutes with 5 sec pretrigger. Does not interrupt standard logging interval.

GPS: Built in GPS provides location and time synchronization.

Power: Two hot-swappable Li-Ion 14.4V batteries, providing up to 4 months operation.

Case: Aluminum with IP67 rating. Through holes for horizontal and vertical mounting using M6 or 1/4" bolt.

Dimensions: 5.8 x 5.0 x 3.5 in (146 x 127 x 89 mm).

Weight with batteries: 4 lbs (1.8 kg).

Operating temperature: -4 to 122 °F (-20 to + 50 °C).

GeoCloud Project Website

GeoCloud project websites provide access to data and alerts wherever there is an internet connection, at project sites, offices, homes, and on the road. GeoCloud works with ordinary browsers on smartphones, tablets, and desktops.

Continuously Updated: Project websites are updated and available 24 hours a day. Everyone sees the most recent data.

Data Integration: GeoCloud websites eliminate data silos. Construction vibration measurements appear alongside other monitored parameters. No separate application is needed.

Secure Access: Project websites are hosted on secure servers that are backed up daily. Authorized users have password-protected logins and controlled access to advanced features.

Graphs, Reports, and Alerts: Project websites support site-wide views, trend plots, profile plots, contour plots and more. PDF reports are generated automatically on regular schedules. Alerts are posted on project websites and sent by email or SMS to registered users.

Human Monitored: GEO-Instruments project managers and technicians monitor project dashboards, checking that systems are functioning properly and that measurements are within alarm thresholds.

Available on Demand: Annual and monthly subscription rates. Suspend your subscription when the project ends, restart when your next project begins.