Accelerometro
Larson Davis, modello HVM200
Larson Davis, modello SEN027

Measurement modes
- Hand-arm, Whole-body, Vibration

Table A.1 Metrics by mode:

Vibration	RMS, Peak, Min, Max (x, y, z & Σ)
Hand-arm	RMS, Peak, Min, MTVV, A(8) (x, y, z & Σ)
Whole-body	RMS, Peak, Min, MTVV, A(8) Act, A(8) Exp, EP VDV (x, y, z & Σ)

- Measurement units: m/s^2, cm/s^2, ft/s^2, in/s^2, g, dB

Time History (Logging)
- Store interval (user-selected): 1, 2, 5, 10, 20, 30 s; 1, 2, 5, 20, 30 min; 1 hr
- Stored values: RMS and Peak for x, y, and z axes and for Σ.

Run Modes
- Manual: Run/stop with app or meter button
- Timed: Start at time specified in setup
- Delayed: Start after delay specified in setup of 5, 10, 20, 30, or 60 seconds

Clock/Calendar
- 24 hour clock format: hh:mm:ss
- Run-time resolution: 1 second
- 5 minute (typical) clock retention during battery change

Time of Day Drift
Worst case: 6.91 seconds per day (-10 °C to + 50 °C).

Effects of Temperature and Humidity
- Operating temperature: 14°F to 122°F (-10 °C to 50 °C)
- The RMS level of the HVM200 varies up to ±1% when exposed to temperatures of - 10 °C to 50 °C and relative humidity (RH) 20 to 90% (non-condensing).
- Tested at 159.4 Hz and 9.81 m/s^2.

Effects of Magnetic Fields
Complete instrument RMS level varies up to ± 1.4% when exposed to an 80 A/m, 60 Hz magnetic field (worst case orientation).The complete instrument is defined as the HVM200 meter, CBL217-01, and SEN041F.

Effects of Mechanical Vibrations
Complete instrument RMS level varies up to ± 0.4% when exposed to mechanical vibrations of 30 m/s^2 at 79.58 Hz (worst-case orientation).

Stabilization Time
- 60 seconds
- Measurements with integration settings require up to one minute additional stabilization time before initiating (the Power LED may display a solid green color during this additional stabilization time).

Data Storage
- Removable micro SD memory card up to 32 GB.
- 2 GB file size limit. Files are truncated at 2 GB. No limit to number of files or setups.
- Data and settings are stored in non-volatile memory
- Swapping limitation: Device must be off while replacing Micro SD card or battery.

Transducer Electronic Data Sheets (TEDS) Support
- Chips supported by HVM200: DS2430 and DS2431
- Versions supported: 0.9 (only DS2430 chip) and 1.0
- Templates supported: 0 (version 0.9), 25 (version 1.0)

WiFi Connectivity
IEEE 802.11g protocol