



# Casella HAVex Vibration Meter



## Make all the measurements necessary for Hand Arm Vibration risk assessment.

The HAVex Tri-Axial Hand Arm Vibration Meter has been specifically designed for Hand Arm Vibration Exposure Measurements. It's a simple to use meter that measures the levels of vibration transmitted to the hand from power tools, vehicles, machine controls and other vibration sources.

### Applications

The use of hand held power tools in many industries can result in Hand Arm Vibration Syndrome (HAVS) which is a painful and disabling disorder affecting the blood vessels, nerves and joints of the hand.

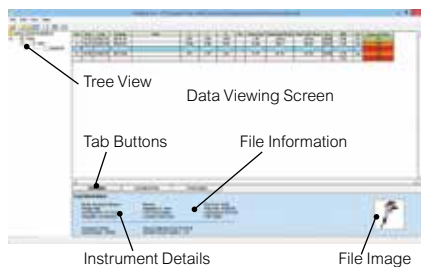
- Hand Arm Vibration Exposure Measurements
- Risk assessment
- Power tool condition and maintenance database
- ISO 5349 : 2001 Mechanical Vibration – Guidelines for Measurement
- ANSI S2.70 (2006) guide for the measurement and evaluation of human exposure to vibration transmitted to the hand

### Key features

- Simple operation
- Robust accelerometer & cable
- Large colour display
- Large 'flash' memory
- Large dynamic range
- Rechargeable battery
- Easily view, export & report data
- Supplied as a kit with everything you need to begin measuring

### Technical Specification

|                      |   |
|----------------------|---|
| Performance:         | Conforms to ISO 8041 : 2005 Human Response to Vibration – Measuring Instrumentation                                   |
| Level Ranges:        | Low: 0.05-200m/s <sup>2</sup> , 0.005-20.4g<br>High: 0.5-2000m/s <sup>2</sup> , 0.05-204g                             |
| Channels:            | 1   |
| Parameters:          | Acceleration: Arms, Aeq, Amax, Peak, Vector Sum, Exposure Points  |
| Linear Range:        | 72 dB   |
| Frequency Weighting: | W <sub>H</sub> - Hand Arm Filter  |
| Memory:              | Flash Memory storing up to 992 recordings   |
| Transducer:          | KD1010, 10mV/g  |
| Noise Floor:         | Low: 0.002 m/s <sup>2</sup><br>High: 0.020 m/s <sup>2</sup>   |
| Display:             | Full colour, Graphic OLED 160 x 128   |
| Batteries:           | NiMH re-chargeable (typically 10 hours continuous use)  |
| Connections:         | AC Output: 4 pole 3.5mm jack<br>Download: USB Micro B (cable incl.)<br>Recharge: DC socket (charger & cable supplied) |
| Environmental:       | Temperature : -10°C - +50°C<br>Humidity: up to 90% RH non-condensing  |
| Electromagnetic:     | SI 2005/281, 2004/108/EC  |
| Case:                | High impact ABS plastic and tactile membrane keypad   |



### Casella Vibdata Hand Arm Vibration Software

The HAVex meter is supplied with the Vibdata Lite software which allows you to download your measurements via USB for analysis and storage of data as required by the regulations. OR upgrade to Vibdata Pro which has added features:

- Exposure Calculator
- Merge/Combine Results
- Add Images
- Trend Analysis
- Add new records

### Ordering Information

M104006 Casella HAVex kit:  
Comprising of: HAVex meter,  
HARM Tri-axial Accelerometer & Cable,  
Mounting Plate, Carry Case,  
Vibdata Lite software

### Spares & Accessories

M104009 HARM Tri-axial Accelerometer & Cable  
M104014\*\* Vibdata Pro Vibration Analysis Software  
M104016\* Mounting Block  
M104017\* Replacement Battery Pack  
M104018\* Charger Unit  
M104020\* USB Cable



\* Supplied with the Casella HAVex as part of the kit

\*\* Upgrade from the supplied HAVexdata LITE software supplied with the instrument

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