



# Pulsar vB Hand Arm Vibration Meter

## The safety professional's choice

The Pulsar vB Hand Arm Vibration Meter is the ideal instrument to measure the vibration of power tools and machinery to help protect your workers from Hand Arm Vibration Syndrome (HAVS) and Vibration White Finger.

- ✓ Easy to use
- ✓ Essential measurements taken
- ✓ Effortless reporting of results

Don't lose touch – contact us today

+44 (0)1723 518011

E: [sales@pulsarinstruments.com](mailto:sales@pulsarinstruments.com)

W: [pulsarinstruments.com](http://pulsarinstruments.com)



The Pulsar vB takes quick and reliable measurements of all of the essential parameters for Hand Arm Vibration assessment. The Pulsar vB has been specifically designed to make the job as simple as possible. Its small size, combined with a powerful processor and large memory enables Safety Professionals to take Hand Arm Vibration to the next level.

## Features

### Easy to use: Switch-on, press record and that's it!

The Pulsar vB has a large colour screen and with the support of the integrated Pulsar vB Plus LITE software it requires virtually no set-up. View just about everything on the screen without scrolling for a clear presentation of results and easy monitoring of data.

### Great connectivity

You can save all measured values to the Pulsar vB's large internal flash memory for subsequent output. You can view the results on the instrument's own display or download to a PC using the Pulsar vB Plus LITE software via a high speed USB connection. The Pulsar vB Plus LITE software is included as standard with each instrument!

### Small but mighty!

The built in memory is large enough to never have to worry about storing your measured results safely using the flash technology. You can recall previously recorded data onto the screen or download it for further analysis on a laptop or PC using Pulsar vB Plus LITE or Pro software.





## Pulsar vB – specific features

Tri-axial Hand Arm vibration Measurements

- **Large Dynamic Range**
- **Re-chargeable Battery Pack & Charger**
- **Fully compliant with ISO 8041:2005**
- **Large Colour Display**
- **Large 'Flash' memory**
- **Rugged Accelerometer and Cable for industrial use**
- **Only 3 operational buttons for simple use**

## Applications

- **Measurement of Hand Arm Vibration to ISO 5349:2001**

## What is included?

Pulsar vB Instrument, Accelerometer with 1.4m Cable

- **Accelerometer Mounting Block and Screw**
- **Rechargeable Battery Pack and Recharger**
- **Pulsar vB Plus LITE software**
- **Carry case and accessories**
- **Quick Start Guide**



## Specifications

### Instrument Standards:

ISO 8041:2005 Human Response to Vibration  
For compliance with:  
ISO 5349:2001 Measurement and evaluation of human exposure to hand-transmitted vibration.

### Level Ranges: Pulsar vB (vB001) (Integration = Acceleration)

| Range | m/s <sup>2</sup> | G            |
|-------|------------------|--------------|
| Low   | 0.05 - 200.0     | 0.005 - 20.4 |
| High  | 0.50 - 2000.0    | 0.50 - 204.0 |

### Measurement Channels:

One

### Parameters:

Acceleration: Arms, Aeq, Amax, Peak, Vector Sum, Exposure Points

### Linear Operating range:

72 dB

### Frequency Weighting:

WH - Hand Arm Filter

### Memory:

Flash memory storing up to 992 recordings

### Transducer:

vB0013, 10mV/g

### Noise Floor:

<0.002 m/s<sup>2</sup> Low Range  
<0.020 m/s<sup>2</sup> High Range

### Display:

Full Colour Graphic OLED Display (160 x 128)

### Batteries:

NiMH re-chargeable cell pack  
Typically 10 hours continuous use

### Connections:

Input: 5 Pin Lemo Socket  
AC Output: 4 Pole 3.5mm Jack Socket  
Download: USB Micro B (Cable Supplied)  
Recharge: DC Socket (Charger & Cable Supplied)

### Environmental:

Temperature Operating Range: -10 to +50°C  
Humidity: Up to 90% RH Non Condensing

### Electromagnetic Compatibility:

Designed in accordance with the following  
Electromagnetic Compatibility Directives: -

- SI 2005/281
- 2004/108/EC

### Case:

High Impact ABS plastic with tactile membrane keypad

### ORDERING INFORMATION

vB001\* - Pulsar vB Vibration Meter

### Accessories

PC009\*\* VibdataPro software  
GA606 Vibration Calibrator  
KA021\* Carry Case  
KD1010\* Tri-Axial Accelerometer 10mV/g  
KD1215 Glue Studs & Glue (Pack of 5)  
01KD1218\* Mounting Block and Screw  
01VIBBATT\* 2.4V 2100mAh NiMH Battery Pack  
01PSU5\* NiMH Battery Pack Recharger  
01ZL1108-01\* USB Cable 1m

\* supplied with the vB001

\*\* upgrade from supplied Pulsar vB Plus LITE



## The Pulsar VB Small but mighty!



Easy to use



Essential measurements taken



Effortless reporting of results

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