

## 4-Channel Vibration Meter/Datalogger



### Large Backlit Display

Simultaneously displays four channels

### Features:

- Selectable data sampling rate: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds
- Remote vibration sensor with magnetic adapter on 39"(1m) cable
- Wide frequency range of 10Hz to 1kHz
- Basic accuracy of  $\pm(5\% + 2 \text{ digits})$
- RMS or Peak Value measurement modes
- Datalogger date/time stamps and stores readings on an SD card in Excel<sup>®</sup> format for easy transfer to a PC
- Data Hold freezes the reading in the display
- Auto Power off saves battery life
- Meets ISO2954 standard
- Complete with 4 remote sensors, magnetic mounts, 8 x AA batteries, 100-240V Universal AC Adaptor, SD card, and heavy duty carrying case

### Applications:

- Motors, bearings
- Fans
- Pumps
- Rotating machinery
- Plant maintenance



| Specifications |                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------|
| Acceleration   | 656ft/s <sup>2</sup> , 200m/s <sup>2</sup> , 20.39g (peak)                                      |
| Velocity       | 7.87in/s, 200mm/s, 19.99cm/s (peak)                                                             |
| Displacement   | 0.078in, 2mm (peak-to-peak)                                                                     |
| Resolution     | 1ft/s <sup>2</sup> , 0.1m/s <sup>2</sup> , 0.01g; 0.01in/s, 0.1mm/s, 0.01cm/s; 0.001in, 0.001mm |
| Basic accuracy | $\pm(5\%+2 \text{ digits})$                                                                     |
| Memory         | 20M data records using 2G SD card                                                               |
| Dimensions     | 8 x 3 x 1.5" (203 x 76 x 38mm)                                                                  |
| Weight         | 1.13lbs (515g)                                                                                  |

### Ordering Information (Available Q4, 2011):

VB500 .....4-Channel Vibration Meter/Datalogger  
 VB500-NIST .....VB500 with Certificate Traceable to NIST

