

## 3-Axis G-Force Datalogger

**Built-in 3-axis accelerometers record the time when shock occurs**

Measure and compute real-time spectral data using FFT

### Features:

- Record storage, transport or operational data over time
- USB interface for easy set-up and data download
- Record and time 3-axis shock and peaks
- Real time FFT Frequency and Time-Domain Vibration Analysis
- Datalogs 112028 Motion Detection samples per axis, or 168042 Normal samples
- Selectable X-, Y-, Z-axis or any combination (via software)
- Selectable data sampling rate: 50ms to 24 hours
- Manual and Programmable start modes
- User-programmable record threshold
- Long battery life
- Complete with Magnetized/Bolt-on Mounting Base, 3.6V Lithium battery and Windows<sup>®</sup> 98, 2000, XP, Vista, Win 7 (32-bit and 64-bit) compatible analysis software



Records shock and vibration history in shipping containers



USB connector easily plugs into a computer for data analysis

### Specifications

|                                         |                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------|
| Sensor Type                             | MEMS semiconductor                                                              |
| Acceleration Sampling Rate (Datalogger) | 200Hz                                                                           |
| Acceleration Range                      | ±18g                                                                            |
| Acceleration Resolution                 | 0.00625g                                                                        |
| Acceleration Accuracy                   | ±0.5g                                                                           |
| Bandwidth                               | 0 to 60Hz                                                                       |
| Sampling rate (Software)                | 500 ms to 24 hours                                                              |
| Memory                                  | 4Mbit Flash; 112028 Motion Detection samples per axis, or 168042 Normal samples |
| Data Format                             | Time stamped peak acceleration, average and peak vector sum                     |
| Dimensions                              | 3.7 x 1.1 x 0.8" (95 x 28 x 21mm)                                               |
| Weight                                  | 1oz (20g)                                                                       |

### Ordering Information:

**VB300** ..... Three Axis G-Force Datalogger  
**42299** ..... 3.6V Lithium Battery (pkg of 2)

