

## 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, and Vista 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)

