

# Vib Timer™ Plus 3Dv2



## G-rms, Shock Temperature & Humidity Logger

VibTimer-Plus™ 3Dv2 is a new, low cost 3-axis g-rms and peak shock logger for transportation and other industrial monitoring applications. The device attaches to your shipment or machine and records g-rms vibration level information over long time periods along with exact date/time of all measurements.



- ▲ 3-axis g-rms vibration logging over user selectable time windows
- ▲ Peak-g shock recording (Max) over user selectable time windows
- ▲ Max / Min temperature and humidity logging over time windows
  - ▲ Time Window selections from 1 min to 24 hours
  - ▲ Active LED indicator lamp
  - ▲ 6 month battery life user-replaceable
  - ▲ Wireless Blue-Tooth PC data communications
  - ▲ Very simple to setup & install
  - ▲ Data imports to excel
  - ▲ Small Size and Weight
  - ▲ Low cost



Warehouses



Air Freight



Ship Cargo



Patent Pending

**IST**  
Instrumented  
Sensor  
Technology



# Vib Timer™ Plus 3Dv2

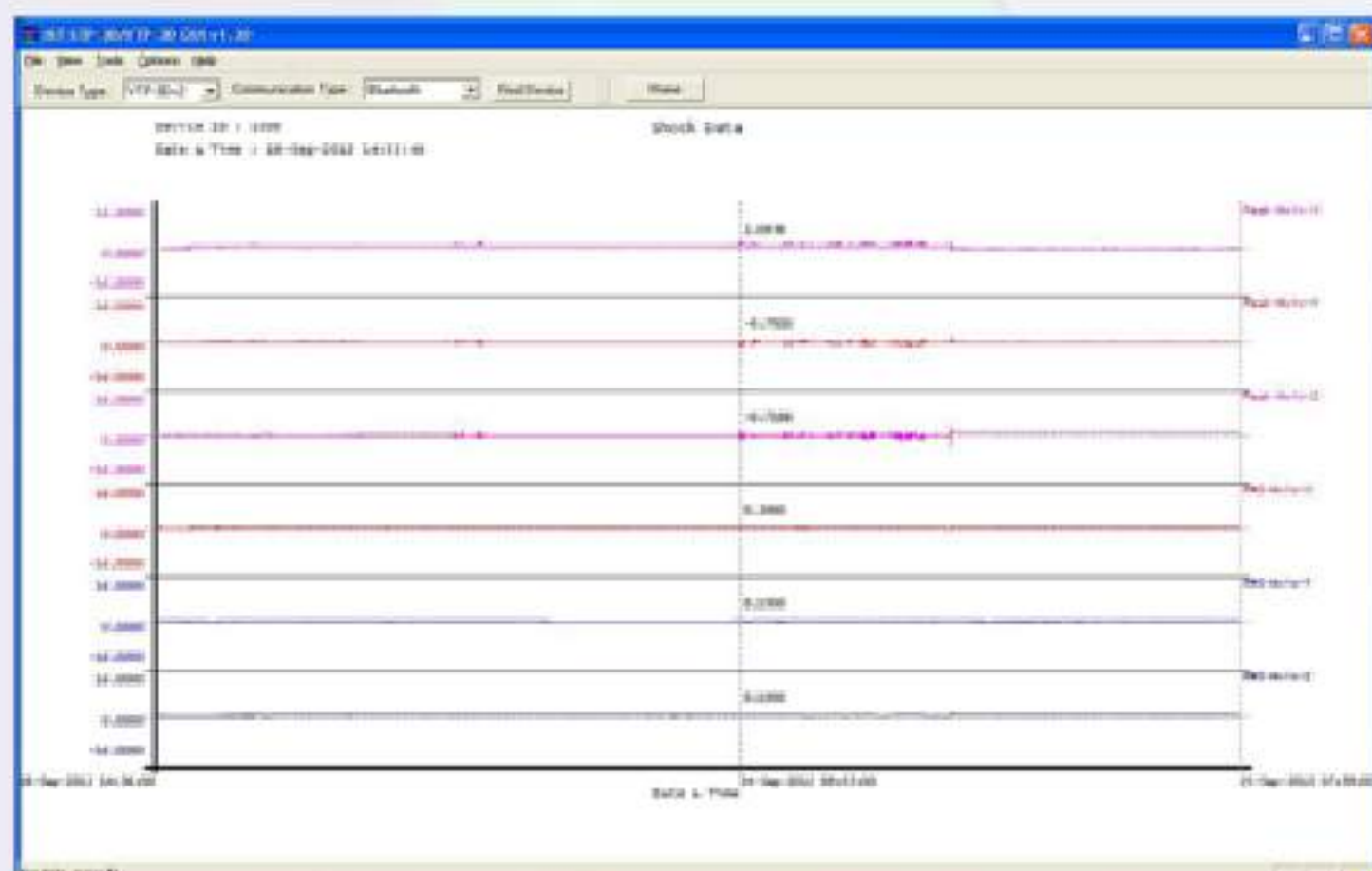
# IST

G-rms, Shock  
Temperature & Humidity Logger

The new VibTimer-Plus™ 3Dv2 provides 3-axis acceleration level documentation of both shock & vibration environments for periods up to six months. The instrument computes and logs g-rms over user selectable, contiguous time windows, along with the actual (Max) peak-shock reading registered over the same time window, for each x, y, and z measurement axis. This provides the user with a complete characterization of the acceleration level environment over extended periods of time. In addition the unit logs max and min temperature and humidity for each time window.

## Applications

- Carrier Handling Quality Evaluation and Comparison
- Shipment Monitoring
- Pallets, Ocean Containers, ISO Containers, Crates
- Rail Cars
- Transformers, Fuel Cells, Large Machines, Semiconductor Fab & More
- Medical Imaging Equipment
- Aircraft Turbulence, Hard Landing
- Ordnance & Munitions
- Ride Quality Measurements
- Fleet Handling Measurements
- Industrial Machinery Monitoring
- Large Machine Vibration Monitoring
- Remote Machine Operational History Documentation



Date	Time	G	Temp	Hum	...
11/10/2012	12:00:00	0.00	68.00	45.00	...
11/10/2012	12:00:05	0.00	68.00	45.00	...
11/10/2012	12:00:10	0.00	68.00	45.00	...
11/10/2012	12:00:15	0.00	68.00	45.00	...
11/10/2012	12:00:20	0.00	68.00	45.00	...
11/10/2012	12:00:25	0.00	68.00	45.00	...
11/10/2012	12:00:30	0.00	68.00	45.00	...
11/10/2012	12:00:35	0.00	68.00	45.00	...
11/10/2012	12:00:40	0.00	68.00	45.00	...
11/10/2012	12:00:45	0.00	68.00	45.00	...
11/10/2012	12:00:50	0.00	68.00	45.00	...
11/10/2012	12:00:55	0.00	68.00	45.00	...
11/10/2012	12:01:00	0.00	68.00	45.00	...
11/10/2012	12:01:05	0.00	68.00	45.00	...
11/10/2012	12:01:10	0.00	68.00	45.00	...
11/10/2012	12:01:15	0.00	68.00	45.00	...
11/10/2012	12:01:20	0.00	68.00	45.00	...
11/10/2012	12:01:25	0.00	68.00	45.00	...
11/10/2012	12:01:30	0.00	68.00	45.00	...
11/10/2012	12:01:35	0.00	68.00	45.00	...
11/10/2012	12:01:40	0.00	68.00	45.00	...
11/10/2012	12:01:45	0.00	68.00	45.00	...
11/10/2012	12:01:50	0.00	68.00	45.00	...
11/10/2012	12:01:55	0.00	68.00	45.00	...
11/10/2012	12:02:00	0.00	68.00	45.00	...
11/10/2012	12:02:05	0.00	68.00	45.00	...
11/10/2012	12:02:10	0.00	68.00	45.00	...
11/10/2012	12:02:15	0.00	68.00	45.00	...
11/10/2012	12:02:20	0.00	68.00	45.00	...
11/10/2012	12:02:25	0.00	68.00	45.00	...
11/10/2012	12:02:30	0.00	68.00	45.00	...
11/10/2012	12:02:35	0.00	68.00	45.00	...
11/10/2012	12:02:40	0.00	68.00	45.00	...
11/10/2012	12:02:45	0.00	68.00	45.00	...
11/10/2012	12:02:50	0.00	68.00	45.00	...
11/10/2012	12:02:55	0.00	68.00	45.00	...
11/10/2012	12:03:00	0.00	68.00	45.00	...
11/10/2012	12:03:05	0.00	68.00	45.00	...
11/10/2012	12:03:10	0.00	68.00	45.00	...
11/10/2012	12:03:15	0.00	68.00	45.00	...
11/10/2012	12:03:20	0.00	68.00	45.00	...
11/10/2012	12:03:25	0.00	68.00	45.00	...
11/10/2012	12:03:30	0.00	68.00	45.00	...
11/10/2012	12:03:35	0.00	68.00	45.00	...
11/10/2012	12:03:40	0.00	68.00	45.00	...
11/10/2012	12:03:45	0.00	68.00	45.00	...
11/10/2012	12:03:50	0.00	68.00	45.00	...
11/10/2012	12:03:55	0.00	68.00	45.00	...
11/10/2012	12:04:00	0.00	68.00	45.00	...
11/10/2012	12:04:05	0.00	68.00	45.00	...
11/10/2012	12:04:10	0.00	68.00	45.00	...
11/10/2012	12:04:15	0.00	68.00	45.00	...
11/10/2012	12:04:20	0.00	68.00	45.00	...
11/10/2012	12:04:25	0.00	68.00	45.00	...
11/10/2012	12:04:30	0.00	68.00	45.00	...
11/10/2012	12:04:35	0.00	68.00	45.00	...
11/10/2012	12:04:40	0.00	68.00	45.00	...
11/10/2012	12:04:45	0.00	68.00	45.00	...
11/10/2012	12:04:50	0.00	68.00	45.00	...
11/10/2012	12:04:55	0.00	68.00	45.00	...
11/10/2012	12:05:00	0.00	68.00	45.00	...



## Product Specifications

- Full Scale Measurement Range: 16g, tri-axial
- Accuracy: 5%
- Maximum number of g-rms Vibration Readings: 10,000
- Maximum number of Peak-G shock Readings: 10,000
- Time Window Selection Options: 1, 10, 30 min; 1, 3, 6, 12, 24 hr
- Digital Sampling Time Resolution: 10 msec
- Frequency Response: DC-40Hz
- Temperature Measurement Range: -40 to +160 deg F
- Humidity Measurement Range: 0 to 100%
- Operational Temperature Range: -40 to +160 deg F
- Operational Battery Life: 6 months
- Switches: (1) On/Off; (2) REC/COM on bottom
- Size: 4.9" x 2.9" x 0.9"
- Weight: 5.6 oz
- Enclosure: Injection molded plastic
- Batteries: Four lithium AAA cells DOT compliant
- Mounting: Three in-built mounting holes
- Options: Mag-Mount-STP/VTP magnetic mounting base
- Blue-Tooth STP/VTP wireless USB for PC (PC end)
- Case: STP / VTP weather/waterproof case

For more information contact:



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