

VIBRATION METER/ DATA LOGGER

TECHNICAL DATA

FEATURES

- Measures vibration levels in machinery by measuring velocity and acceleration
- Frequency range meets ISO 2954 standards
- Unique vibration sensor with magnetic base
- RMS, Peak hold, and Max/Min record
- Metric or Imperial measurement units
- Real time data logger with integral 4GB SD memory card (OPTIONAL)
- Just plug the SD card into the computer and it downloads directly to EXCEL
- RS-232 and USB computer interface
- Easy to read LCD with backlight
- Auto or manual power off
- Includes vibration sensor with cable, magnetic base, hard carrying case, and batteries

SPECIFICATIONS

Velocity Range: 0.5 to 199.9 mm/s; 0.05 to 19.99 cm/s; 0.02 to 7.87 in/s

Resolution: 0.1 mm/s; 0.01 cm/s; 0.01 in/s

Accuracy: $\pm(5\% + 2 \text{ dgt})$

Acceleration Range: 0.5 to 199.9 m/s²; 0.05 to 20.39 g; 2 to 656ft/s²

Resolution: 0.1m/s²; 0.01 g; 1 ft/s²

Accuracy: $\pm(5\% + 2 \text{ dgt})$

Auto Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

Data Output: USB/RS232 PC computer interface

Power Supply: 6 x 1.5V UM3/AA batteries

Dimensions: Main instrument: 203 x 76 x 38mm;
Probe: 37 x 16mm dia, Cable Length: 1.2m

Weight: Main instrument: 515g; Probe: 99g



ORDERING INFORMATION

SD-8205	Vibration Meter/Data Logger
SD-8205PROBE	Replacement Probe
SD-VMB	Magnetic Base
SD-4GB	4GB SD Memory Card
USB-01	USB Cable
SW-U801-WIN.....	Data Acquisition Software
BS-6.....	Tripod
AP-9VA-110V	AC Adapter
CERTIVBM1	NIST Calibration Certificate
SD-8205-NIST	Vibration Meter & NIST