**Features**

- Measures velocity and acceleration to determine vibration level
- User selectable unit of measure (metric or imperial)
- RMS, Peak hold, Data hold and Max/Min functions
- 10Hz to 1kHz frequency range
- Basic accuracy of ±5%
- Real-time datalogger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Meets ISO1954 standards
- Low battery indicator and auto shut off
- Includes vibration probe with cable, hard carrying case, and batteries

**Specifications**

**Acceleration**
- Measuring Range:
  - 0.5 to 199.9 m/s²
  - 0.05 to 20.39 g
  - 2 to 656 ft/s²
- Accuracy: ±(5% + 2 dgt)
- Resolution: 0.1 m/s², 0.01 g, 1 ft/s²

**Velocity**
- Measuring Ranges:
  - 0.5 to 199.9 mm/s
  - 0.05 to 19.99 cm/s
  - 0.02 to 7.87 in/s
- Accuracy: ±(5% + 2 dgt)
- Resolution: 0.1 mm/s; 0.01 cm/s; 0.01 in/s

**General Specifications**
- Response Time: 1 sec
- Frequency Range: 10Hz - 1KHz
- Display: 4-digit LCD
- Backlit Display: Yes
- RMS, Peak and Max Hold Measurements: Yes
- Data Hold: Yes
- Min: Yes
- Max: Yes
- Zero Adjustment: Yes
- Datalogging Capabilities: Yes
- Real-Time Clock and Date Stamp: Yes
- Selectable Sampling Rate: Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)
- External Memory: Yes, expandable up to 16Gb with SD card (optional)
- Auto Shut-off: Yes (after 10 mins/off)
- Kick Stand: Yes
- Tripod Mountable: Yes
- Low Battery Indicator: Yes
- Probe Cable Length: 47.2” (1.2m)
Vibration Meter/ Datalogger
Model SD-8205

TECHNICAL DATA

Power Supply: 6 x AA batteries or AC Adapter (optional)
Output: Yes
PC Connectivity: USB Cable (optional)
Software: SW-U801-WIN
Software OS Compatibility: Windows XP / Vista / 7
Product Certifications: CE
Operating Temperature: 0 to 122°F (0 to 50°C)
Storage Temperature: 14 to 140°F (-10 to 60°C)
Operating Humidity: 10-85%
Dimensions: Instrument: 9.7 x 2.7 x 1.8” (203 x 76 x 38 mm) 
Probe: 1.5 x 0.6” (37 x 16 mm)
Weight: Instrument: 17.3oz (515g) 
Probe: 3.5oz (99g)

Model Description
SD-8205 Vibration Meter/Datalogger
SD-8205PROBE Replacement Probe
SD-VMB Magnetic Base
SD-4GB 4GB SD Memory Card
USB-01 USB Cable
SW-U801-WIN Data Acquisition Software
AP-9VA-110V AC Adapter
R1500 Tripod
CA-05A Soft Carrying Case
R8888 Deluxe Hard Carrying Case
SD-8205-NIST Vibration Meter/Datalogger & NIST