

TECHNICAL DATA

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 $\pm 5\%$
- Real-time datalogger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Tripod mount for long-term monitoring
- Meets ISO 2954 standards
- Low battery indicator and auto shut off
- Includes vibration probe with 47.2" (1.2m) cable, hard carrying case & batteries

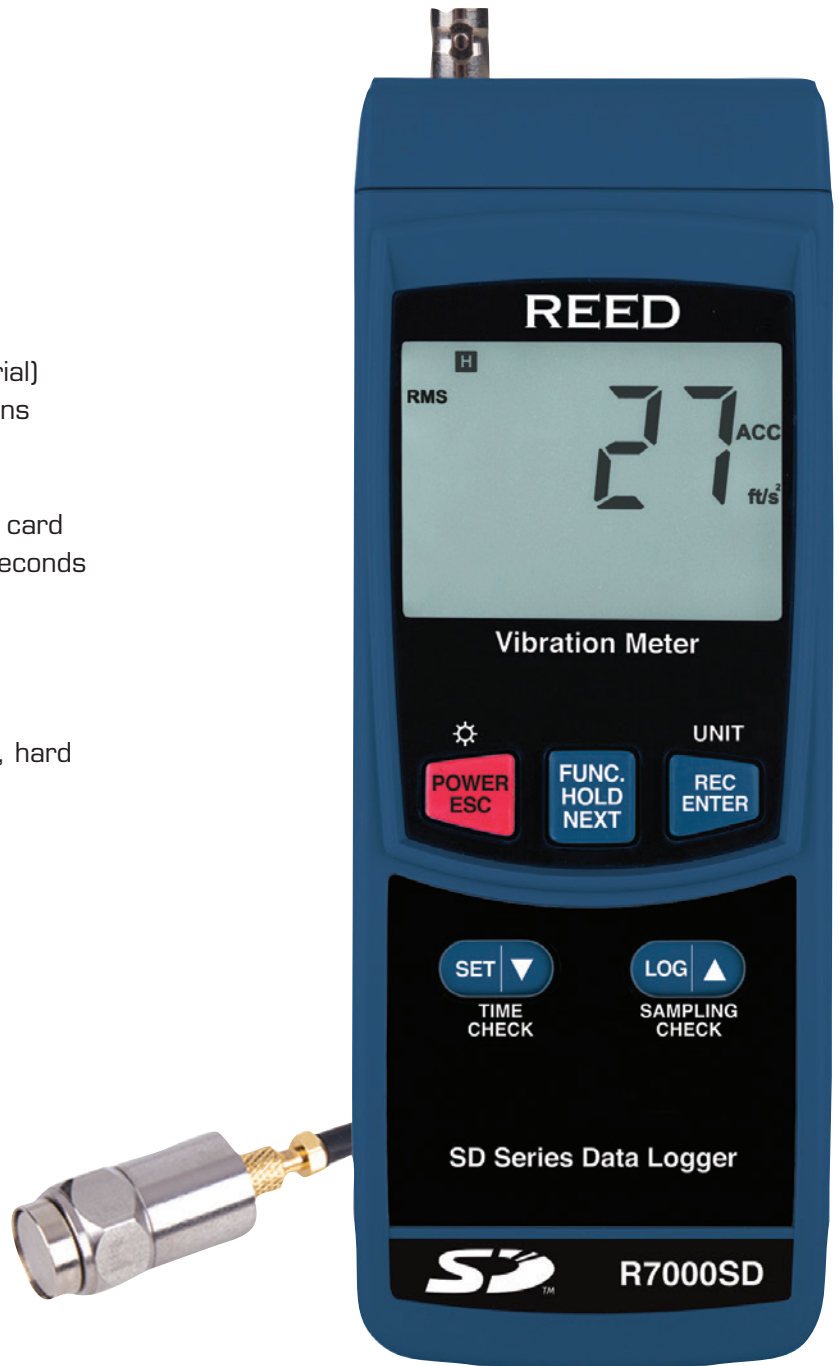
Specifications

Acceleration

| | |
|------------------|---|
| Measuring Range: | 0.5 to 199.9m/s ² 0.05 to 20.39g 2 to 656ft/s ² |
| Accuracy: | $\pm(5\% + 5 \text{ dgt})$ |
| Resolution: | 0.1m/s ² 0.01g 1ft/s ² |

Velocity

| | |
|------------------|---|
| Measuring Range: | 0.5 to 199.9mm/s 0.05 to 19.99cm/s 0.02 to 7.87in/s |
| Accuracy: | $\pm(5\% + 5 \text{ dgt})$ |
| Resolution: | 0.1mm/s 0.01cm/s 0.01in/s |



Continued...

General Specifications

| | |
|---|--|
| Response Time: | 1 second |
| Frequency Range: | 10Hz to 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, 3600 seconds) |
| External Memory: | Yes, expandable up to 16GB with SD card (optional) |
| Auto Shut-off: | Yes (after 10 minutes/off) |
| Kick Stand: | Yes |
| Tripod Mountable: | Yes |
| Low Battery Indicator: | Yes |
| Probe Cable Length: | 47.2" (1.2m) |
| Power Supply: | 6 x AA batteries or AC Adapter (optional) |
| Data Output: | Yes (RS-232) |
| Product Certifications: | CE |
| Operating Temperature: | 32 to 122°F (0 to 50°C) |
| Storage Temperature: | 14 to 140°F (-10 to 60°C) |
| Operating Humidity Range: | 10 to 85% |
| Dimensions: | Instrument: 9.7 x 2.7 x 1.8" (203 x 76 x 38mm) Probe: 1.5 x 0.6" (37 x 16mm) |
| Weight: | Instrument: 17.3oz (515g) Probe: 3.5oz (99g) |

TECHNICAL DATA



R7000SD-KIT

Data Logging Vibration Meter with Power Adapter and SD Card

Includes:
R7000SD Data Logging
Vibration Meter; RSD-16GB
16GB Micro SD Memory Card
with adapter and RSD-ADP-NA
AC Power Adapter



| Model | Description |
|--------------------|--|
| R7000SD | Data Logging Vibration Meter |
| R7000SD-PROBE | Replacement Probe for R7000SD |
| R7000SD-PROBE-BASE | Magnetic Base for R7000SD |
| R1500 | Tripod |
| RSD-ADP-NA | Power Supply, 110V |
| RSD-ADP-EU | Power Supply, 220V |
| CA-05A | Soft Carrying Case |
| R8888 | Hard Carrying Case |
| SD-4GB | 4GB Class 4 SDHC Memory Card |
| RSD-16GB | 16GB Micro SD memory Card w/Adapter |
| R7000SD-KIT | Data Logging Vibration Meter with Power Adapter and SD Card |
| R7000SD-NIST | Data Logging Vibration Meter with NIST |