REED INSTRUMENTS

Data Logging Vibration Meter
Model R7000SD

TRACEABLE — CERTIFICATION AVAILABLE!

1 YEAR WARRANTY

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 ±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 ISO1954 standards
- Low battery indicator and auto shut off
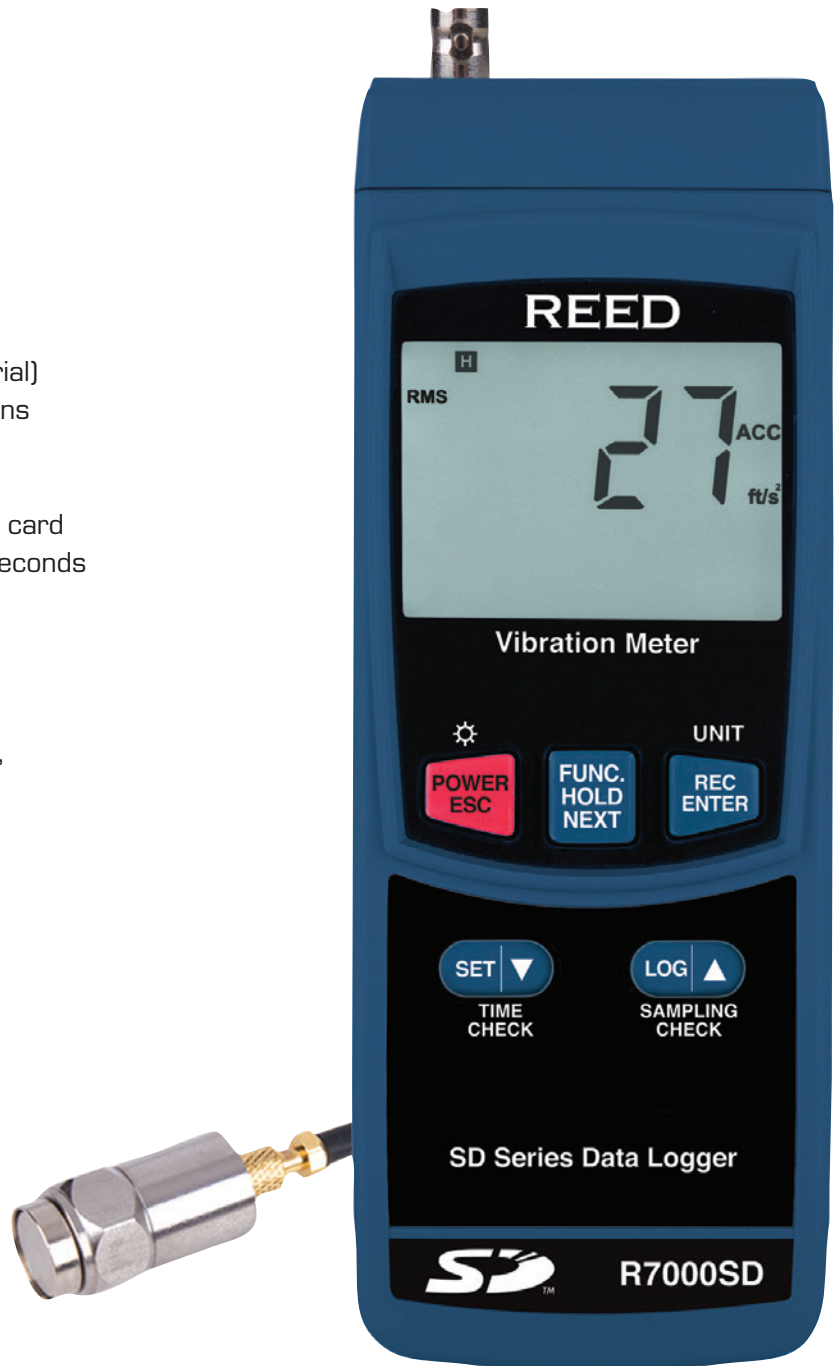- Includes vibration probe with 47.2" (1.2m) cable, hard carrying case & batteries

Specifications

Acceleration

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

Velocity

Measuring Range:	0.5 to 199.9mm/s
	0.05 to 19.99cm/s
	0.02 to 7.87in/s
Accuracy:	±(5% + 5 dgt)
Resolution:	0.1mm/s
	0.01cm/s
	0.01in/s

REED
Vibration Meter

RMS
H
27 ACC ft/s²

POWER ESC
FUNC. HOLD NEXT
REC ENTER
UNIT

SET ▼ TIME CHECK
LOG ▲ SAMPLING CHECK

SD Series Data Logger

SD R7000SD

Continued…

REED INSTRUMENTS

Data Logging Vibration Meter
Model **R7000SD**

TRACEABLE CERTIFICATION AVAILABLE!

1 YEAR WARRANTY

TECHNICAL DATA

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)

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-NIST	Data Logging Vibration Meter with NIST