

Vibration Meters

\$933
VB-8200



Model VB-8200

This vibration meter is ideal for checking the vibration levels on all types of rotating machinery including fans, pumps, motors, blowers and compressors.

- Includes remote vibration sensor
- Two velocity ranges: 20 and 200 mm/s
- Two acceleration ranges: 200 and 2000 m/s²
- RMS; Peak Hold; Min/Max
- RS-232 output
- Dimensions: 7.1 x 2.8 x 1.3" / 180 x 72 x 32 mm
- Provides direct readings of acceleration, velocity
- Slide switch operation
- Easy-to-read four-digit LCD readout

Providing measurements in velocity or acceleration, the **VB-8200** Vibration Meter is an easy-to-use wide band meter. It is designed to be used in industrial or environmental applications for general purpose investigations such as shock or pulsation checks, basic machinery condition monitoring and comparative studies, quality specification checks, or general engineering work.

The simple controls provide for easy operation and the large LCD readout allows easy viewing of data. The handheld meter, housed in a rugged case, is extremely lightweight, weighing only 14.6 oz.

Application areas include power generation, utilities, manufacturing, transportation systems, government and military agencies, laboratories, universities, and any other area where an accurate, affordable, portable vibration instrument is needed.

Model VB-8200 Vibration Meter Price \$933
Model SW-U801-WIN Software Price \$97
Model UPGB-01 RS-232 Cable Price \$30

\$695
TV200



Model TV200

Pocket-sized, full-function vibration meter

- True RMS vibration velocity measurements
- Data hold
- Auto shut-off
- Supplied with leather sheath, batteries and manual

Specifications:

Velocity Range: 0.1 to 199.9 mm/sec
Accuracy: ±5% ±2
Frequency Range: 10Hz to 1kHz
Display: 3-1/2 digit LCD
Power Supply: Two button batteries (LR44 or SR44)
Battery Life: 10 hours of continuous use or 400 tests
Dimensions: 5.9 x 0.8 x 0.7" / 150 x 22 x 18mm
Weight: 1.94 oz / 55g

\$1995
TV300



Model TV300

Ideal for measuring acceleration, velocity, rotational acceleration, speed, and frequency

- Three display modes:
Special show acceleration in peak, velocity in RMS and display in peak-peak simultaneously
Common show one of the above, three at one time
Spectrum show charts
- Status bar compares current data with previous data
- Warnings of alarm limits
- 320 x 200 pixels LCD with LED backlight
- Adjustable LCD contrast
- Auto function finds climaxes of spectrum
- Manual function views spectrum by moving cursor
- Zoom function spreads the spectrum
- Point index can be set to increase automatically
- Real time clock
- Adjustable shut down time
- 25-point memory capacity
- RS-232 serial interface
- Powered by rechargeable lithium battery that provides 20 hours of continuous operation

Specifications:

Ranges: Acceleration: 0.1 to 392 m/s²;
Velocity: 0.01 cm/s to 80 cm/s;
Displacement: 0.001 to 10 mm

Frequency Ranges: Acceleration: 10 to 200Hz, 10 to 500Hz,
10Hz to 1kHz, 10Hz to 10kHz;
Velocity: 10Hz to 1kHz;
Displacement: 10 to 500Hz

Frequency Resolution: 0.25Hz
Accuracy: ±5%
Dimensions: 6.7 x 3.09 x 1.1" / 171 x 78.5 x 28mm
Weight: 8.11oz / 230g

Force Gauges

\$495
FG-20KG



\$445
FG-5000A

\$595
FG-100KG

FG Series

An easy-to-use digital force gauge that is accurate in testing the push/pull force (tension and compression) of virtually any application.

- Wide range portable device provides readings of tension (push) or compression (pull) in 0.05 oz. (1 g) increments; switchable from ounces to grams to Newtons. Instantly recalls "Peak Load" (maximum load) and average readings.
- Microprocessor assures $\pm 0.2\%$ accuracy and fast 0.2 second update time. Exclusive load cell provides wide measuring range with overload capacity of 200% f.s.
- 100% Zero/Tare control enables maximum pre-load to be stored in the memory.
- Large 5 digit LCD display makes it easy to read. Rugged handheld gauge weighs only 16 oz. and measures 3.2" x 1.6" x 0.8". Holes are provided on the back of the meter case to facilitate test stand mounting.
- Battery operated. Meter uses 6 x 1.5V "AA" batteries. Auto Power Off minimizes power consumption and saves battery life.
- Complete with hook adapter for tension, plus flat head, cone head, and chisel head adapters for compression, 5" (120mm) extension rod, operation manual and carrying case.



An indispensable tool for push/pull (tension/compression) measurements in a variety of industrial applications such as, tests on machines, electronic components, consumer products, sporting goods and medical equipment. They have also been used in failure mode analysis, quality control, breakdown tests and fatigue tests. Force gauges have become a necessary tool in product quality and consistency.

Rugged and versatile, force gauges are used to take indoor and outdoor measurements, and in hard to reach areas. All models are ergonomically designed to fit in the palm of your hand and are easy to manipulate with one hand. Most models are also adaptable for test stand use which facilitates precise and repetitive tension and compression testing

\$895
FS-1001



Model FS-1001

- A test stand permits precise and repetitive tension and compression testing

\$59
WG-01



Model WG-01

- Optional wedge to be used with a test stand to hold the material under test in place

Specifications Model	FG-5000A	FG-20KG	FG-100KG
Capacity	5000 g/176.40 oz/49 N	20.00 kg/44.10 lb/196.10 N	100 kg/220 lb/980 N
Resolution	1 g/0.05 oz/0.01 N	0.01 kg/ 0.01 lb / 0.05 N	0.10 kg/0.20 lb/1.0N
Minimum Display	3 g/ 0.10 oz / 0.03 N	0.01 kg/ 0.01 lb / 0.05 N	0.10 kg/0.20 lb/1.0N
Accuracy	$\pm 0.4\% + 1$ digit	$\pm 0.5\% + 2$ digits	$\pm 0.5\% + 2$ digits
Overload Capacity	15 lb/7 kg max.	66 lb/30 kg max.	330 lb/150 kg max.
Display	5-digit LCD, Kilograms/Pounds/Newtons	5-digit LCD, Kilograms/Pounds/Newtons	5-digit LCD, Kilograms/Pounds/Newtons
Update Time	Fast: 0.3 second; Slow: 0.6 second	Fast: 0.3 second; Slow: 0.6 second	Fast: 0.3 second; Slow: 0.6 second
Zero/Tare	Maximum full scale	Maximum full scale	Maximum full scale
Full Scale Deflection	0.07"/2.0mm max.	0.07"/2.0mm max.	0.04"/1.0mm max.
Power Supply	6 x 1.5V "AA" batteries	6 x 1.5V "AA" batteries	6 x 1.5V "AA" batteries
Dimensions	8.9 x 3.3 x 1.5"/227 x 83 x 39 mm	8.9 x 3.3 x 1.5"/227 x 83 x 39 mm	8.9 x 3.3 x 1.5"/227 x 83 x 39 mm
Weight	19.5 oz/551 g	15.9 oz/450 g	15.9 oz/450 g
Price	\$445	\$495	\$595