

Vibration Meter 4-Channel Vibration Meter / Data Logger

Quickly check vibration conditions on bearings, motors, fans and pumps

The Model 205 vibration meter measures overall vibration amplitude in the range of 26 to 300,000 rpms on rotating machinery. The portable, battery-operated, handheld meter features a standard 100 mV/g accelerometer for measuring vibration displacement, velocity and acceleration.

- Measures displacement, velocity, and acceleration
- Standard 100 in./g accelerometer
- Portable, battery-operated
- Large LCD
- Digital, solid-state circuitry



98871-00

SD card format provides additional data storage/
downloading flexibility

- Date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC
- Selectable data sampling rate
- Remote vibration sensor with magnetic adapter on 39" (1 m) cable
- Wide frequency range of 10 Hz to 1 kHz
- Basic accuracy of $\pm 5\% + 2$ digits
- Precision resolution provides highly accurate, reliable measurement results
- RMS or peak value measurement modes
- Data hold freezes the reading in the display
- Auto shut-off extends battery life



65710-17

SPECIFICATIONS	
Amplitude meter range*	Displacement: 0.001 to 199 mils (peak to peak) Velocity: 0.001 to 199 in./s (peak) Acceleration: 0.001 to 199 g's (peak)
Range	Four selectable ranges with over-range indication for each range High: 200 = 20.0 to 199.9 Medium: 20 = 2.00 to 19.99 Low: 2 = 0.020 to 1.999 VLR: 20 to 199.9
Sensitivity	Displacement: 0.000001 in. Velocity: 0.001 in./s Acceleration: 0.001 g
Accuracy	$\pm 5\%$ of full scale
Display	3½-digit, numeric LCD; ¾" characters
Power	Four AA batteries

*Note: Very low range in units of 0.001 g's, 0.001 in./s and micro-inches

What's included: 5-ft (1.5-m) cable and transducer, magnetic base clamp, "B" book guide to vibration measurement, vibration severity wallet card, carrying case, four AA batteries, and calibration document supplied by the manufacturer.

Catalog No.	Model No.	Description
TS-98871-00	205	Vibration meter
Accessories		
TS-17111-66	—	NIST-traceable calibration with data

SPECIFICATIONS	
Acceleration	656 ft/s ² , 200 m/s ² , 20.39 g (peak)
Velocity	7.87 in./s, 200 mm/s, 19.99 cm/s (peak)
Displacement	0.078 in., 2 mm (peak-to-peak)
Resolution	1 ft/s ² , 0.1 m/s ² , 0.01 g; 0.01 in./s, 0.1 mm/s, 0.01 cm/s; 0.001 in., 0.001 mm
Accuracy	$\pm 5\% + 2$ digits
Memory	20,000 K data records using 2G SD card
Dimensions (L x W x H)	7½" x 3" x 1⅝" (188 x 75.5 x 47 mm)
Power	Eight AA batteries

What's included: Remote sensor, SD card, magnetic mount, hard carrying case, and eight AA batteries.

Catalog No.	Model No.	Description
TS-65710-17	VB500	4-channel vibration meter / data logger
Accessories		
TS-09386-01	—	Replacement batteries, AA, 4/pk
TS-17111-66	—	NIST-traceable calibration with data