

# Digital Vibration Meters

Precision vibration meters help eliminate down time and costly repairs

- Measures overall vibration amplitude in the range of 60 to 420,000 rpms
- Industrial 100 mV/g accelerometer
- Accelerometer for measuring vibration displacement, velocity, and acceleration
- Lightweight, rugged design for industrial environments
- Easy-to-read LCD graphic display
- Magnetic base
- 7" (178 mm) probe extension
- Auto power off
- English and metric models



65710-19

SPECIFICATIONS		
Model No.	235	235M
Amplitude meter range	Displacement: 0.015 to 199.9 mils (peak-to-peak) Velocity: 0.001 to 199.9 in./s (peak) Acceleration: 0.001 to 199.9 g's (peak)	Displacement: 2.5 to 1999 micrometers (peak-to-peak) Velocity: 0.02 to 1999 mm/s (peak) Acceleration: 0.01 to 1999 g's (peak)
Range (auto-scaling over 3 ranges)	High: 200 = 20.0 to 199.9 Medium: 20 = 2.00 to 19.99 Low: 2 = 0.015 to 1.999	High: 2000 = 199.9 to 1999 Medium: 200 = 19.99 to 199.9 Low: 20 = 01.99 to 19.99
<b>Sensitivity</b>		
Displacement	0.000001 inch (0.001 mil) (1 micro-inch)	0.02 micrometers
Velocity	0.001 in./s	0.02 mm/s
Acceleration	0.001 g	0.01 g
Accuracy	5% of full scale	
Frequency range	±5% = 60 to 420,000 rpm (1 to 7,000 Hz)	±5% = 60 to 420,000 rpm (3 to 8,000 Hz)
Input	Industrial ICP accelerometer (100 mV/g)	
Display	Graphic LCD with low-battery indicator	
Dimensions (W x H x D)	5¾" x 3¾" x 1¾" (146 x 91.4 x 40.6 mm)	
Power	Four AA batteries	

What's included: ICP accelerometer with 5-ft cable, magnetic base, 7" (178 mm) probe tip, "B" Book Guide to Vibration Measurement vibration severity wallet card, carrying case, four AA batteries, and NIST-traceable calibration report supplied by the manufacturer.

Catalog No.	Model No.	Description
TS-65710-19	235	Digital vibration meter, English
TS-65710-21	235M	Digital vibration meter, metric
<b>Accessories</b>		
TS-09386-01	—	Replacement batteries, AA, 4/pk
TS-17111-66	—	NIST-traceable calibration with data

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