

Digital Vibration Kits

Measure vibration velocity, displacement, and acceleration

- Measures and stores 250 overall vibration amplitude measurements
- Industrial 100 mV/g ICP accelerometer
- Automatic amplitude scaling
- Handheld, portable, battery-operated
- Easy-to-read backlit graphic display
- Magnetic base
- 7" (178 mm) probe extension
- Auto power-off
- English and metric models



SPECIFICATIONS		
Model No.	230	230M
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: 0.015 to 199.9 micrometers (peak-to-peak) Velocity: 0.001 to 199.9 mm/s (peak) Acceleration: 0.001 to 199.9 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
Sensitivity		
Displacement	0.000015 inch (0.015 mil) (15 micro-inch)	0.000015 micrometers
Velocity	0.001 in./s	0.0254 mm/s
Acceleration	0.001 g	
Accuracy	±5% of full scale	
Frequency range	±5% = 180 to 480,000 rpm (3 to 7,000 Hz) ±3 dB = 24 to 840,000 rpm (0.4 to 14,000 Hz)	
Input	Industrial ICP accelerometer (100 mV/g)	
Output	Signal for headphones; 1/8" mono jack	
Display	Graphic LCD with low-battery indicator	
Dimensions (W x H x D)	3 ³ / ₂ " x 7 ² / ₂ " x 1 ³ / ₄ " (100 x 190 x 40 mm)	
Power	Four AA batteries	

What's included: ICP accelerometer, "B" Book Guide to Vibration Measurement vibration severity wallet card, magnetic base, 7" (178 mm) probe tip, 5-ft (1.5 m) cable, carrying case, four AA batteries, and NIST-traceable calibration report supplied by the manufacturer.

Catalog No.	Model No.	Description
TS-65710-11	230	Digital vibration kit, English
TS-65710-12	230M	Digital vibration kit, metric
Accessories		
TS-09386-01	—	Replacement batteries, AA, 4/pk
TS-17111-66	—	NIST-traceable calibration with data

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