



TM0520-K Portable Vibration Shaker

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TM0520-K portable vibration shaker is designed to be used in the field or shop to verify the performance of vibration transducers, connectors, cabling, instruments or permanently installed condition monitoring systems. Both models are battery-powered, portable and feature a built-in reference accelerometer and indicator with calibration traceable to the National Institute of Standards and Technology (NIST).

This shaker can easily check velocity transducers, accelerometers and non-contacting Eddy Probe displacement measurement systems. Simply attach the transducer to the shaker head (displacement probes require a mounting fixture and target), set the shaker to a known vibration reference level, and verify readings. The reference test level can be set in acceleration, velocity, or displacement, English or Metric.



Features

- ✓ **Actual precision vibration testers**
True and accurate testing of vibration sensors
- ✓ **NIST traceable calibration reference**
High-level vibration accuracy
- ✓ **Variable frequency and adjustable vibration amplitudes**
Rapid set-up for all vibration conditions
- ✓ **Battery operated**
Ability to “take the calibration lab to the field”



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Applications

- ✓ Loop checks of vibration monitoring systems
- ✓ Verification and testing of velocity transducers, accelerometers, eddy current probes, etc.
- ✓ Troubleshooting of issues in vibration monitoring loops
- ✓ Calibration of portable vibration analyzers
- ✓ Confirmation of vibration alarms

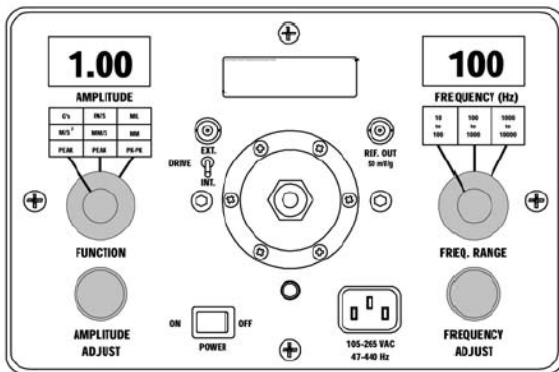
Specifications

Battery Type	Sealed, rechargeable
Charger	Internal, 120 or 240 Vac
Frequency Range	25 to 10,000 Hz
Acceleration Readout (+ 1 digit)	30 to 1,000 Hz, +.3 dB 1,000 to 10,000 Hz, +1 dB
Velocity Readout	30 to 500 Hz, +.3 dB
Displacement Readout	30 to 100 Hz, +.3 dB
Maximum Output	10g at 100 Hz, 100 gram load (3g above 1,000 Hz) 1g at 100 Hz, 750 gram load
Calibration	NIST traceable standard
Waveform Distortion	<5% THD, 30 to 2,000 Hz
Reference Output	50 mV/g
Maximum Unsupported	750 grams
Load	vertical or horizontal



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Physical Size & Weight	11"W x 7"D x 10"H, 19 lbs.
Sensor Mounting Thread	1/4-28 thd hole, 3/8" deep
English & Metric Readout	Yes
Indicates Test Sensor Output	No
Internal Memory	No
Built-In Printer	No
RS-232 Output	No



Order Information

TM0520-K

Portable Shaker, variable frequency and amplitude control, 115/220V, standard accessories, CE Approved.