

Mobile calibrator for field use

Shaker HI-913

Shaker HI-903



Product description

The vibration measuring device (shaker) ensures that the installed seismic or eddy current sensor technology (proximity) is working properly. Accurate measurement acquisition is a prerequisite for reliable machine monitoring (condition monitoring).

Testing of

- Seismic sensors
- Eddy current sensors
- Complete sensor chains

Benefits

- Compact and robust shaker in industry standard for field use, as well as quality testing

Features

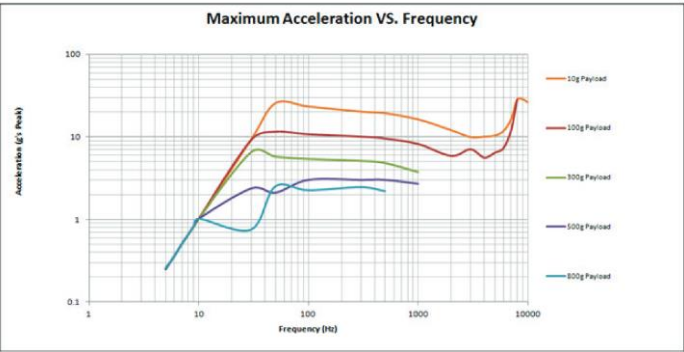
- Heavy duty shaker in rugged plastic housing (Pelican®) for field use
- For seismic and eddy current sensors (proximity)
- Individual use with battery and mains operation (with integrated GEL battery up to 18 h operation)
- Wide frequency range from 7 Hz to 10 kHz
- Also suitable for heavy test loads (sensor and fixture) up to 0.8 kg (e.g. electro-dyn. sensors)
- Automated test report incl. Excel calibration certificate, multiple tests, data storage and USB connection (Model HI-903)
- With *NIST® traceability
- Wide range of accessories for various sensor mountings
- Optional calibration kit (HI-9105D) for customer calibration of the shaker

Technical data



Characteristics	Technical values
Power supply	110...240VAC
Battery	(GEL) 12V DC / 4AH
Frequency range	7 Hz ...10 kHz (420...600.000 rpm)
Accuracy	Acceleration: (7 Hz ...10 kHz) ± 1 dB (10 Hz ...1000 Hz) ± 3 %. Vibration displacement: (30 Hz...150Hz) ± 3
Max. Amplitude (100 Hz, without test weight)	Acceleration: 20 g pk Velocity: 15 in/s Vibration displacement: 1270 µm pk-pk
Data interface	USB
Temperature range (operation)	0°C ...+50°C
Weight	8.2 kg
dimensions	22 cm x 30.5 cm x 28 cm

Display



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