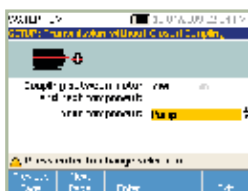


810 Vibration Tester



Fluke 810

Set-up



Measure



Diagnose



Language support:
eng, ger, fre, ita, spa, por

Motor diagnosis and repair in three simple steps

The Fluke 810 Vibration Tester is the most advanced troubleshooting tool for mechanical maintenance teams who need an answer now. The unique diagnostic technology helps you quickly identify and prioritize mechanical problems, putting the expertise of a vibration analyst in your hands.

Use the vibration tester to:

- Troubleshoot problem equipment and understand the root cause of failure
- Survey equipment before and after planned maintenance and confirm the repair
- Commission new equipment and ensure proper installation
- Provide quantifiable proof of equipment condition and drive investment in repair or replacement
- Prioritize and plan repair activities and operate more efficiently
- Anticipate equipment failures before they happen and take control of spare parts inventories
- Train new or less-experienced technicians and build confidence and skill across the team

Features and benefits

- On-board identification and location of the most common mechanical faults (bearings, misalignment, unbalance, looseness) focus maintenance efforts on root cause, reducing unplanned downtime
- Fault severity scale with four severity levels help you prioritize maintenance work
- Repair recommendations advise technicians on corrective action
- On-board context sensitive help provide real-time tips and guidance to new users
- 2 GB expandable on-board memory provide enough space for your machinery's data
- Self-test functions ensure optimal performance and more time on the job
- Laser tachometer for accurate machine running speed promotes confident diagnoses
- Tri-axial accelerometer reduces measurement time by 2/3 over single axis accelerometers
- Viewer PC Software expands data storage and tracking capacity
- Color LCD display and intuitive multilingual, icon-based user interface promote use right out of the box

Specifications

(Check the Fluke web for detailed specifications)

Diagnostic specifications

Standard faults	Unbalance, looseness, misalignment and bearing failures
Analysis for	Motors, fans, blowers, belts and chain drives, gearboxes, couplings, centrifugal pumps, piston pumps, sliding vane pumps, propeller pumps, screw pumps, rotary thread/gear/lobe pumps, piston compressors, centrifugal compressors, screw compressors, closed coupled machines, spindles
Machine rotational speed range	200 rpm to 12000 rpm
Diagnosis details	Plain-text diagnosis, fault severity (slight, moderate, serious, extreme), repair details, cited peaks, spectra

Electrical specifications

Ranging	Automatic
A/D converter	4 channel, 24 bit
Usable bandwidth	2 Hz to 20 kHz
Sampling	51.2 kHz
Digital signal processing functions	Automatically configured anti-alias filter, high-pass filter, decimation, overlapping, windowing, FFT, and averaging
Sampling rate	2.5 kHz to 50 kHz
Dynamic range	128 dB
Amplitude accuracy	±0.1 dBV
FFT resolution	800 lines
Spectral windows	Hanning
Frequency units	Hz, orders, cpm
Amplitude units	in/sec, mm/sec, VdB (US), VdB (Europe)
Non-volatile memory	SD micro memory card, 2 GB internal + user accessible slot for additional storage

Included Accessories

Tri-axial TEDS accelerometer, accelerometer magnet mount, accelerometer mounting pad kit with adhesive, accelerometer quick disconnect cable, laser tachometer and storage pouch, smart battery pack with cable and adapters, shoulder strap, adjustable hand strap, Viewer PC application software, mini-USB to USB cable, getting started guide, illustrated quick reference guide, users manual CD-ROM, instructional training CD-ROM, hard carrying case.

Ordering Information

Fluke 810 Vibration Tester

Battery type: Lithium-ion, 14.8 V 2.55 Ah
Size (HxWxD): 186 x 267 x 70
Weight: 1.9 kg

Warranty: Three years on tester
 One year on sensor and tachometer