

TIME Vibration analyzer



Product Description

Features:

- 1 or 2 plane On-site Balancing
 - 50 sets storage of balancing data, Accuracy of 1 ug
 - Process clarified by vector graph
 - Trial weight estimation
 - Trial can be removed or remain
 - Balancing weight can be decomposed to 2 required positions
 - Rechargeable battery for more than 15 hours continuous operation
 - Dual-channel vibration Analyzer
 - The 12800 line resolution spectrum, with a frequency range of up to 25kHz
 - Spectrum and time waveform display
 - Acceleration envelope demodulation
- Auto-range or manual-range for impulse vibration measurement
The USB2.0 interface can be equipped with equipment management and fault diagnosis software system
High-speed collection and record axis trajectory map
The number of detector can be stored in tens of thousands of measurement points

(including the frequency and frequency spectrum) waveform
The fault of bearing gear was diagnosed with hardware envelope demodulation detection
Speed measurement, noise measurement, phase measurement, phase diagnosis
Frequency measurement of natural frequency and critical speed
including software analysis spectrum(bearing & gearbox analyzer)
Chinese or English language operation, 4.3 inch Color display

Specification:

Rotation Speed: 120-30,000 r/min

Input: Accelerometer & Voltage
for velocity or displacement sensors

Measure Acceleration, Velocity, Displacement, Voltage and Acceleration Envelope

Balancing by the method of influence coefficient

Vibration value accuracy 5%

Operating Environment:

-30°--95°

Normal temperature sensor Environment:

-35°--80°

High temperature sensor Environment:

-35°--180°

Frequency response for vibration overall value & Spectrum:

0.5Hz-10kHz

Hanning windowed Spectrum

Measurement Range & Resolution

Acceleration 250m/s² 0.1m/s²

Velocity 200mm/s 0.1mm/s

Displace 5000 μm 1 μm

Envelope 25m/s² 0.1m/s²

Laser tachometer

Size: 210*130*40mm

Weight: 950g(including battery)