

S911HD Balancer / Vibration Analyzer / Data Collector

One shot locate heavy spot of imbalance without s

S911hd is a small sized economical vibration Spectrum analyzer & data collector. It can be used for overall vibration measurement, Spectrum analysis. Measurement of high frequency acceleration envelope makes it very effective for bearing fault detection. The data can be sent to computer for database and trending analysis.

It is also a low-cost, easy-to-use balancing meter with the measurement of Rotation speed RPM, Amplitude & Phase measurement & optional temperature measurement

Features:

- Easy to use FFT spectrum analyzer, 400 lines
- Measurement of high frequency acceleration envelope makes it a very effective bearing fault detector
- Download from computer database point / location ID & upload overall value to database for trending
- Standard condition monitoring software MCM3
- Parameter selection of Acceleration, velocity, displacement and acceleration envelope for FFT.
- USB 2.0 interfaces to computer
- Date/Time & Battery Status Display
- True RMS measurement
- RPM, Amplitude, Phase measurement for balancing
- Optional infrared temperature measurement



Specification:

- Maximum measurement range / Resolution / frequency range (may change):

Parameter	Maximum Measurement Range	Maximum Resolution	Frequency Range
Displacement Peak-Peak value	2 mm	1 micron	10 – 500Hz
Velocity RMS value	200mm/s	0.1 mm/s	10 – 1000Hz
Acceleration Peak value	180m/s ²	0.1 m/s ²	10 – 15000Hz
High Frequency Acceleration Envelope	20unit	0.1unit	5Hz-2kHz #
Surface infrared temperature	-33 to 220 °C	1 °C	N/A

Note: Demodulated from 15kHz-40kHz

- Accuracy of vibration measurement:
 - ✧ Noise Level (without vibration input): ACC<0.25 m/s², VEL<0.5mm/s, Disp<1µm
 - ✧ Frequency response accuracy: ±5% ± 2 digits
 - ✧ Non-linearity: ±5% ± 2 digits
- Rechargeable Li-ion battery, Automatic power off, >20 hours operation time
- Operation temperature range: 0 - 50°C
- Pickup: Accelerometer with extension stinger and magnetic mount, Optional tacho-sensor
- Rotation speed measurement range: 10-60000 RPM
- Storage: 200 sets of ID, acceleration, velocity, displacement, envelope & spectrum
- Size: 150 x 70 x 25 (mm)