

BSZ670 Bearing Vibration FFT Analyzer / Data Collector

BSZ670 is a small sized economical vibration Spectrum analyzer & data collector. It can be used for overall vibration measurement, vibration spectrum analysis & machinery condition monitoring. 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.



Features:

- All in 1 screen, a very easy to use spectrum analyzer
- 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 maintenance software BSZ
- 400 line spectrum analysis,
- Parameter selection of Acceleration, velocity, displacement and acceleration envelope
- USB 2.0 interfaces to computer
- Date/Time & Battery Status Display
- True RMS measurement
- Save 50 points recall values

Specification:

- Maximum measurement range / Resolution / frequency range:

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 – 2500Hz
High Frequency Acceleration Envelope	20unit	0.1unit	5Hz-2kHz #

Note: Demodulated from 3kHz-10kHz

- Accuracy:
 - ◆ 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 battery powered, Automatic power off, >12 hours operation time
- Operation temperature range: 0 - 50°C
- Pickup: Accelerometer with extension stinger and magnetic mount
- Storage: 60 sets of ID, acceleration, velocity, displacement, envelope & spectrum
- Size: 196 x 101 x 45 (mm)
- Weight: 230 gram (including battery)
- Warranty: 1 years free