



STD-510

Vibration Data Collector

- EXTERNAL SENSOR FOR HIGHER ACCURACY
- BROAD-BAND MEASUREMENTS
- STROBOSCOPE CONNECTION
- UP TO 8 HOURS BATTERY LIFE

STD - 510 Data Collector is used for monitoring and analysis of rotary machine conditions. Thanks to pocket size and light weight, functional and easy-to-use design, STD-510 is an ideal tool for daily vibration monitoring of industrial equipment.

Highlights

- Using external sensor with magnetic holder enables you to collect broad-band data more accurately
 - Data acquisition and storage: up to 500 waves
 - USB port to transfer data to computer, upload routes and download data for detailed analysis with the VibroDesigner-Standard software
 - On-site FFT analysis
 - Stroboscope connection allows to estimate shaft speed and phase of fundamental frequency

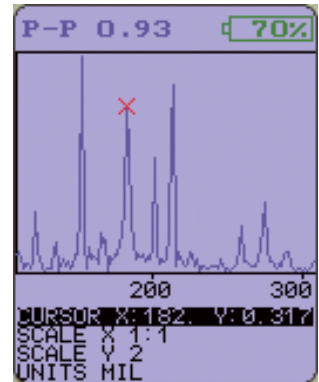
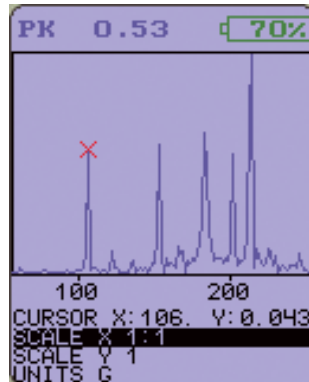
Intrinsically safe

1ExibIIBT4



Features

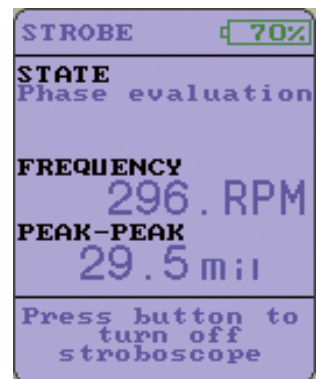
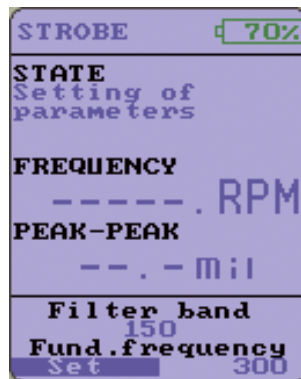
- Shows cursor and coordinates
- In-band values
- Zooming
- Route and off-route modes
- Channel overload indication
- Various measurement modes



STD-510 + stroboscope

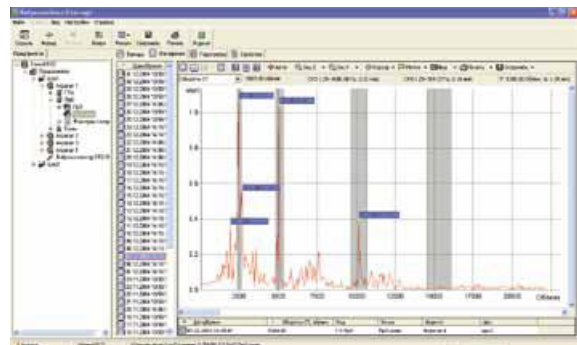
Using stroboscope with STD-510 allows you to:

- Estimate shaft speed
- Measure vibration value and phase at first rotational frequency
- Analyze conditions of exposed parts of a rotor
- Balance rotors



Comprehensive diagnostics

Fully compatible with the VibroDesigner-Standard Software which allows to make in-depth analysis and create different types of reports. STD-510 is an ideal instrument for shop maintenance optimization and prevention of catastrophic machine failures and, unplanned production downtime.





Specification:

Number of channels	1
Measurement units	Acceleration, Velocity, Displacement
Measured parameters	Peak-to-Peak, Peak, RMS
Frequency range	5-5000 Hz
Measurement range	0,5 to 70 mm/s (0,02 to 2,76 in/s) RMS
Spectrum resolution	3200 lines
Bandpass flatness	1 dB
Sensor mounting	Magnetic base, Stinger
Compatibility with	Stroboscope
Memory	up to 500 points
Display size	2"; 160 x 120 px,
PC connection	USB
Battery type	NiMH, rechargeable
Battery operating time	8 hours
Intrinsically safe	1ExibIIBT4X
Housing protection	IP54
Temperature	- 4 ... + 122 F (-20 ... +50 C)
Humidity	Up to 90%
Dimensions	4" x 2,15" x 1"
Weight	8.5 oz. (0.240 kg)

