

# STD-500

## Vibration Data Collector

- Always with you  
pocket size
- Analyze spectra onsite  
built-in FFT
- Gain exact knowledge  
3200 lines resolution
- Memory in excess  
stores 500 waveforms
- Secure data storage  
nonvolatile memory - 8 Mb
- Easy to use  
2 buttons only
- Advanced expertise on PC  
USB link
- Ready for action  
internal sensor
- Intrinsically Safe  
1ExibIIBT3X
- Ideal instrument for everyday inspections of machinery health: fast vibration measurements, clear user interface for data collection and analysis, directly compatible with all Technekon expert applications.



1000

1500

2000

2500

3000

3500

3800

4000

Vibration data collector STD-500 is a hand-held 1 channel vibration measurement instrument with internal spectrum analysis functions. It is used for offline machinery condition monitoring.

The STD-500 collector is fully compatible with all Technekon software products (VibroDESIGNER and VibroSCOPE). It collects vibration measurements at on-route or off-route control points, allows spectra analysis onsite, and downloads data to PC for advanced narrow band analysis and trending.

- Velocity, displacement and acceleration RMS values are viewed on STD-500 display. All collected data are stored in protected memory.

machine train menu

route menu



RMS units menu

- A screenshot example in FFT analysis mode. Using control buttons you can zoom spectra.

buttons action units

pointer position



pointer

# STD-500

## Vibration Data Collector for Machinery Diagnostics

### Technical Specification

Analog input	1
Frequency range	10-1000 Hz
RMS velocity range	0,5-70 mm/s
Frequency resolution	3200 lines
Memory for data	8 MB
Noise level	< 0,2 mm/s
Temperature	-20...+50 °C
Ambient humidity ( +35°C)	90%
Dimensions	186 x 35 x 21mm
Weight	150 g
Battery runtime	10 hours



With this pocket vibration measurement instrument you can control machinery vibration condition, detect failures, prevent unscheduled downtime of industrial facilities, and optimize maintenance actions.

