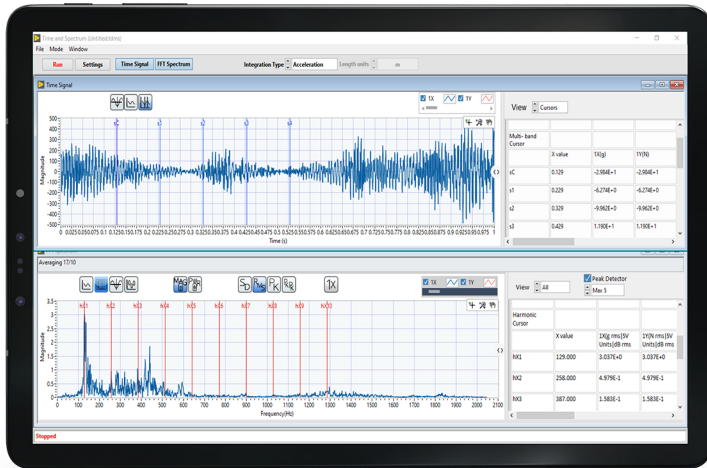


PHONOVIBE O

USB based portable FFT analyzer for Vibration & Acoustic Measurements

A truly economic noise and vibration analyzer, eight-channel ICP® (IEPE) digital signal conditioner, PHONOVIBE O offers standard plug & play USB powered. Hassle free setup and intuitive functionality by just plugging the unit into a USB port and viewing signals from accelerometers, microphones, hammers, or any other IEPE/ICP-type sensor using the powerful and intuitive T-ViB™ software to acquire time waveforms, frequency spectra, overall vibration levels, FRF's and octave measurements or simply record data for further analysis. Existing third-party Windows® software can be used. Compact form factor, versatility, and powerful software options make this the perfect DAQ for taking in-situ measurements. Whether you're a novice or an expert in test and measurement systems; or simply want to add digital, portable functionality to your existing sensors in lab or industry; PHONOVIBE is a practical and affordable addition to your tool set.



OVERVIEW

- Swiftly hear, acquire, save & post-process on-the-go. Powerful T-ViB™ modular software for sound and vibration analysis.
- High-quality, 24-bit, broad-frequency measurements.
- 8-channel ICP (IEPE) sensor inputs.
- 100% Plug & play.
- Compact form-factor.
- Most economical solution for industry and academia.
- Compatible with LabVIEW™

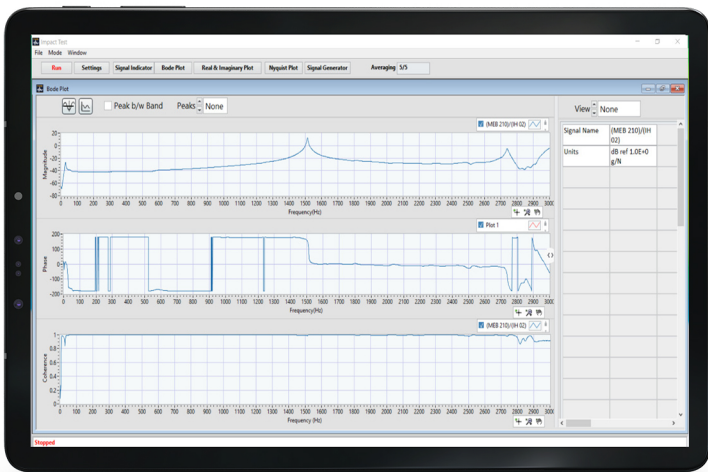
TYPICAL APPLICATIONS

- General condition monitoring of pumps, motors, compressors, fans, gearboxes, bearing etc. based on the recent ISO 20816.
- Vibration meter: Running RMS, Peak, Skewness, Kurtosis, Crest factor etc.
- Sound level meter: SPL, Octave, Leq, Lpk, L10, L50, L95, A/B/C/fast/slow filters etc.
- Sound & vibration measurements: FRF, isolation, transmissibility, Impact testing, shaker testing and correlation studies.
- Human Vibration Analysis based on ISO 8041-1:2017
- Bump testing, order analysis, balancing and run-up/run down testing.
- Educational laboratory experiments



HARDWARE SPECIFICATION

Number of Input Channels	8
Sampling Frequency	64 kHz per channel
ADC Bit Resolution	24 Bits
Input Voltage Range	± 10 V
Input Connectors & Interface	BNC, Single Ended, IEPE, 24V 4mA
Input Coupling Type	AC
Frequency Accuracy	3 Hz - 20 kHz
Anti-aliasing Filter	20kHz at a sampling rate of 64k samples/s
Power	USB 2.0 Full Speed Bus powered by USB port
Dimensions	146 (L) × 96 (W) × 25 mm (H)



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