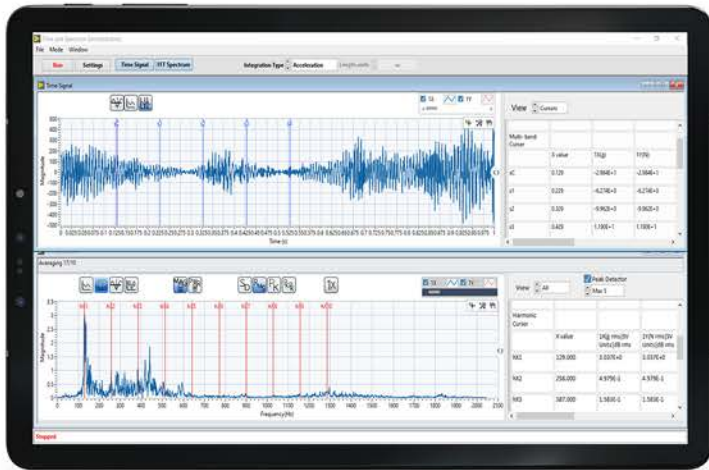
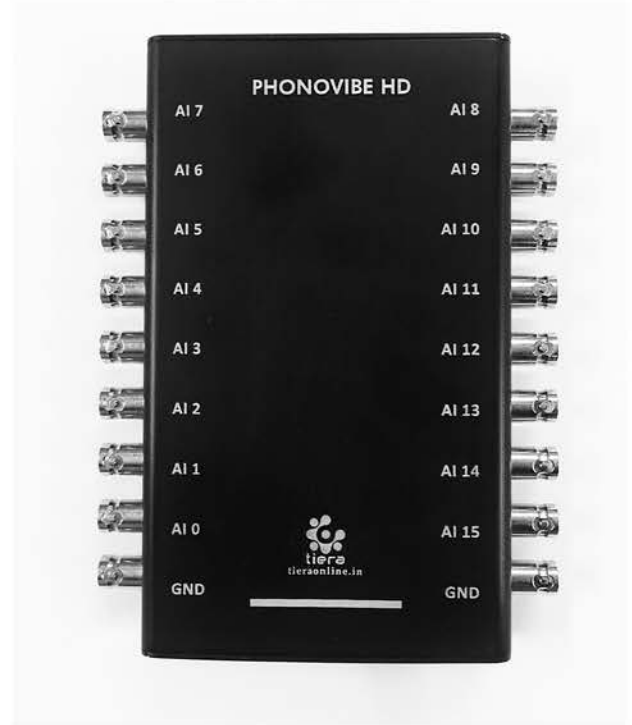


PHONOVIBE HD

USB based portable FFT analyzer for Vibration & Acoustic Measurements

A truly economic noise and vibration analyzer, Sixteen-channel ICP® (IEPE) digital signal conditioner, PHONOVIBE HD 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. Existing third-party Windows® software can be used to acquire time waveforms, frequency spectra, overall vibration levels, FRF's and octave measurements or simply record data for further analysis. 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; the DAQ 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.
- 16-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	16
Sampling Frequency	64 kHz per channel
ADC Bit Resolution	24 Bits
Input Voltage Range	± 5 V
Input Connectors & Interface	BNC, Single Ended, IEPE, 24V 4mA
Input Coupling Type	AC
Frequency Accuracy	0.3 Hz - 31.2 kHz
Anti-aliasing Filter	32 kHz at a sampling rate of 64k samples/s
Power	USB 2.0 Full Speed Bus powered by USB port
Dimensions	168 (L) \times 100 (W) \times 25.5mm (H)



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