MEZZO
4-Channel Analyzer

The *MEZZO* 4-Channel Analyzer provides an innovative and cost-effective solution for noise and vibration analysis. More than just a DAQ system, the DSP embedded in each *MEZZO* 4-Channel Analyzer ensures real-time signal processing.

Designed to be used with a tablet PC or any other Windows-based PC, the *MEZZO* 4-Channel Analyzer benefits from the versatility and flexibility provided by computers. This approach allows the *MEZZO* 4-Channel Analyzer along with the *MEZZO* Waveform Recorder and Post-Processing Module to be offered at a very competitive price.

- Waveform Recorder Module (included)
- Noise Analyzer Module (optional)
- Noise Monitor Module (optional)
- Building Acoustics Module (optional)
- Intensity Analyzer Module (optional)

Specifications

Peak Maximum Level[1]	Low Range: 112 dB$_{pk}$ High Range: 126 dB$_{pk}$
Noise Level[2]	Low Range: 22 dBA, 20 dBC, 25 dBZ High Range: 32 dBA, 30 dBC, 35 dBZ
Under-Range Limit Level[3]	Low Range: 32 dBA, 30 dBC, 35 dBZ High Range: 39 dBA, 37 dBC, 42 dBZ
Input Range	Low Range: 0.42 V$_{pk}$ High Range: 2.1 V$_{pk}$
Maximum Sampling Rate	48 kHz
Signal Conditioning	AC or IEPE
Input/output connectors	LEMO coaxial (Serie 0S, insert config. 116)
Communication	USB 2.0 (Mini B connector)
Dimensions	145 x 60 x 35 mm
Power Supply	USB Powered (Max 0.35W)

1, 2, 3: Evaluated according to IEC 61672 (2013) Class 1, using 50 mV/Pa sensitivity

Mezzo Waveform Recorder Module (included)

The *MEZZO* Waveform Recorder Module is the perfect tool for advanced noise and vibration waveform processing:

- Time History;
- FFT Spectrum;
- Fractional Octave Spectrum;
- Statistics;
- FRF;
- Waterfall;
- And More.

The intuitive and versatile interface is used for measurement acquisition as well as for the post-processing of measurement files. Its unique file structure allows for fast loading even with very large files.
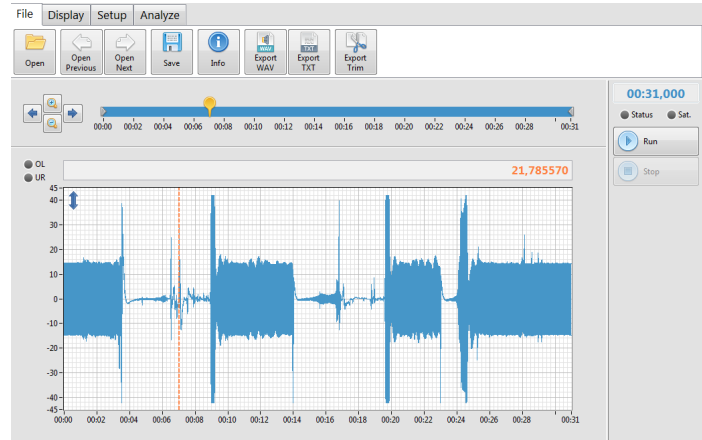
Specifications	
Time History	Global or single band (1/1, 1/3 or 1/24 octave band) RMS (Leq), Slow, Fast, Impulse or Peak A, C or Z frequency weighting
FFT Spectrum	Selectable frequency interval, window and overlap RMS averaging or Max Hold Power spectrum or Power spectral density A, C or Z frequency weighting
Fractional Octave Spectrum	1/1, 1/3 or 1/24 octave band RMS (Leq), Peak Max, or SPL Percentile (Slow, Fast or Impulse) A, C or Z frequency weighting
Statistics	Global or single band (1/1, 1/3 or 1/24 octave band) RMS (Leq), Slow, Fast, Impulse or Peak A, C or Z frequency weighting
FRF	Selectable frequency interval, window and overlap RMS averaging or Max Hold Magnitude, Phase and Coherence
Waterfall	Selectable frequency interval, window and overlap RMS averaging or Max hold Power spectrum or Power spectral density A, C or Z frequency weighting
Signal Integration	Single, double or none
Standard Compliance	IEC 61672-1 (2013), IEC 61260 (2014), ANSI S1.4 (2014), ANSI S1.11 (2014)
Minimum Requirement	Windows XP SP3 and later, 1.2 GHz CPU, 2 GB RAM