

The ALTO is a **2-Channel Spectrum Analyzer**, a **Class 1 Sound Level Meter (SLM)** and a **1-Channel Data Logger**. Make up of an external acquisition USB 2.0 unit and PC software, the ALTO can answer to most needs of all professionals in acoustics and vibration. Allowing various input types (ICP, Electret or pre-amplified sensors), the ALTO also includes many advanced functions: auto store, automatic sound recording, white noise generators, RT-60, wave file editor, etc.

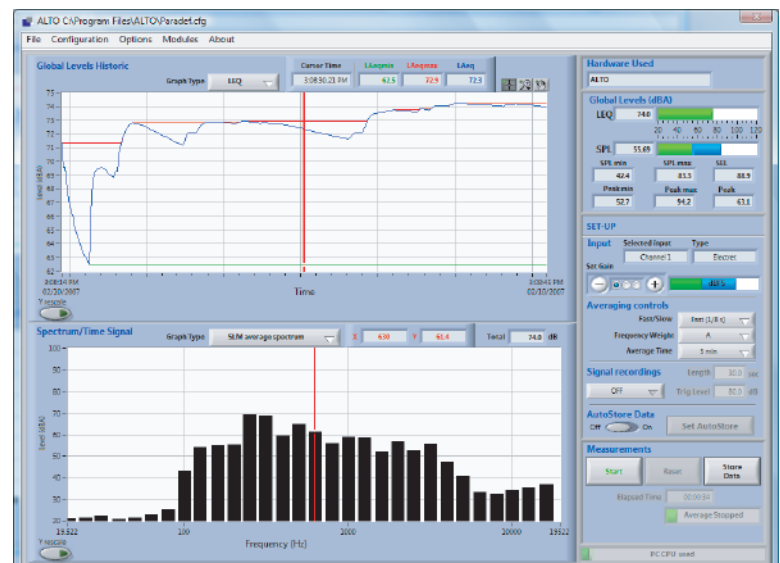
Hardware Technical Data

- Sampling rate up to 43 kHz per channel (full audio bandwidth: 0-20 kHz)
- Anti-aliasing filter on outputs and inputs
- 2 inputs:
 - BNC connectors
 - Input dynamic range: ± 30 mV to ± 3 V
 - Input range for a 50 mV/Pa microphone: 29 dB to 126 dB (dBref: 2E-5)
 - Preamplifier for integrated sensor type such as DeltaTron®, Isotron®, ICP® and Electret microphone/accelerometer
 - SNR: 85 dB
 - LED status light on each input for saturation monitoring
- 2 outputs:
 - BNC Connector
 - ± 1 V white noise generator
 - LED status light on each output
 - SNR: 88 dB
- Power Supply: 24 VDC power pack included
- Dimensions (WxHxD): 77 x 217 x 274 mm (3 x 8½ x 10¾ in.)
- Weight: 1.8 kg (4 lb)



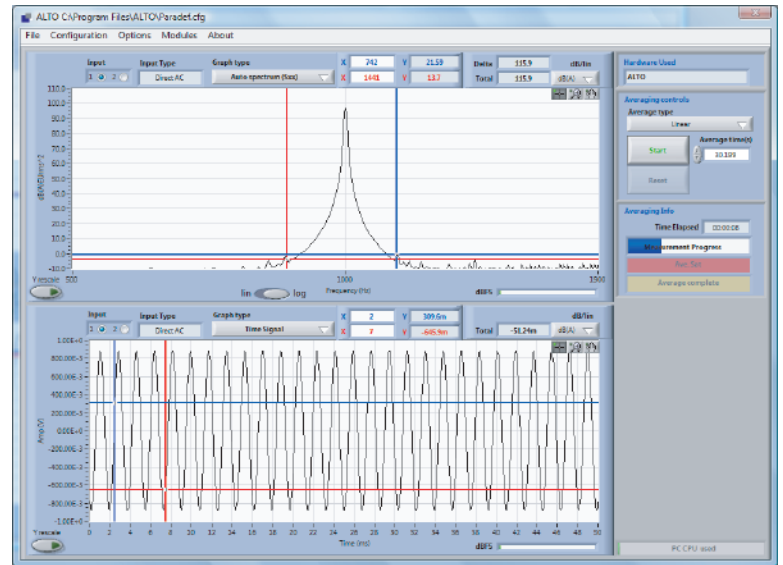
Class 1 Sound Level Meter (SLM) Module

- IEC-61672 compliant (Class 1)
- Standard SPL, Leq and Peak measurements
- Fast/Slow and linear average
- A, C and Z frequency weighting
- Historic of global level results and statistical analysis
- Sxx and 1/3 octave spectrum
- Wave recording (with a complete post-treatment interface)
- Auto store features for long period analysis



2-channel Analyzer Module

- Sxx, Sxy, FRF and coherence measurements
- Octave, 1/3 octave and 1/12 octave
- Linear, Exponential and Accept/Reject averaging types
- Dedicated interface for input sensor calibration
- 2 independent white noise generators
- Trigger operation with a dedicated impact measurement set-up
- Export function of all results/graphs in text format (Excel)



1-Channel Datalogger Module

- Real time acquisition and recording
- Global level historic module
- Average FFT, octave, 1/3 octave and 1/12 octave module
- RT60 module with a white noise source
- Waterfall module
- Statistic module (Leq and L1% - L99%)
- Signal export in standard .wav

