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sound measurement needs

PQ ANALYST

ADVANCED SOFTWARE
FOR ACOUSTIC &
VIBRATION ANALYSIS

A decorative graphic consisting of a series of vertical bars of varying heights, arranged in a symmetrical, wave-like pattern. The bars are light gray and have a slightly textured appearance.

www.placidinstruments.com

PLACID PQ ANALYST

ADVANCED SOFTWARE FOR ACOUSTIC & VIBRATION ANALYSIS



INTRODUCTION

PLACID PQ Analyst is an integrated software platform designed for precise sound and vibration signal acquisition, visualization, and analysis.

Developed for laboratory and field applications, it provides powerful post-processing tools that comply with international acoustic standards, enabling engineers and consultants to obtain accurate, traceable, and reproducible results.

KEY FEATURES

Workflow UI Architecture Design

- Support multiple DAQ devices, like USB / TCP with device management and calibration.
- Dynamic signal capture for sound and vibration, up to 192 kHz sampling rate.

Real-time Visualization

- Time waveform with stats and cursors.
- RMS (0.01–0.1 s).
- FFT Display.
- Sound Level Meter Module: A/C/Lin weighting, Fast/Slow/Pulse, 1/1–1/24-octave per IEC.
- Sound level (MAX/Min/Peak/LEQ/SEL/L10/L50/L90).

Post-Processing

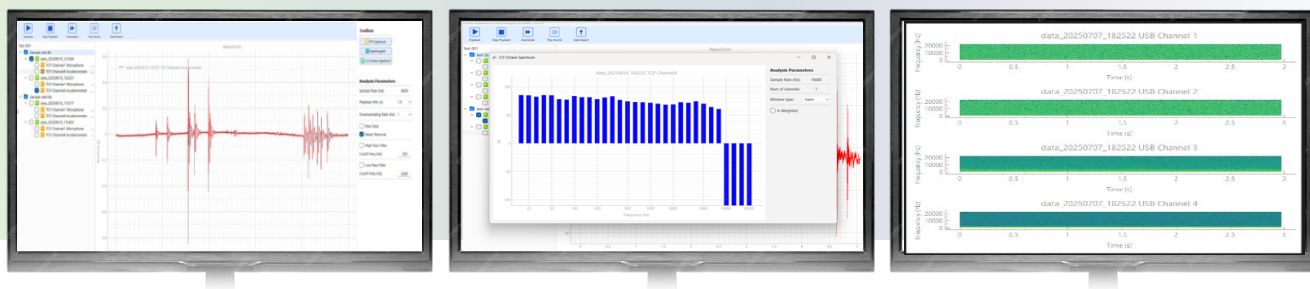
- FFT Spectrum with window options.
- Spectrogram analysis.
- Octave analysis.
- RMS analysis.

Data Management & Export

- Data playback with speed control.
- Data play as sound.
- Data export to .CSV.
- Data import of .wav/.hdf5/.h5.
- Data comparison with cursor status.

Advanced Function

- Intelligent unit handling: mV/Pa, mV/g, g, m/s² with automatic conversions and dB support.
- Region selection and operation.





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ASK US!
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