MECALC + APEX Turbine Testing Technologies

MECALC OVERVIEW

Since 1984, Mecalc has built data-acquisition systems for teams that demand more: more accuracy, more flexibility, more engineering control.

Mecalc works with partners solving some of the world's most demanding measurement challenges: from pyroshock and hypersonic testing to acoustic diagnostics and NVH analysis. Mecalc hardware and APIs are built to adapt, scale, and endure.

Mecalc facilitates in-house design and calibration, modular platforms, open standards, and engineering support that starts where others stop.

Whether you're building a custom workflow in Python, instrumenting a new facility, or pushing the limits of signal integrity, Mecalc is designed to be part of your solution, never in your way.

MECALC + APEX = ONE SOLUTION

- Seamless connection between software and hardware
- APEX's high-speed solutions rely on Mecalc's QuantusSeries for reliable, synchronized data acquisition, ensuring accurate, repeatable results in even the most demanding test environments
- Free APEX DX+ Data Aquisition software with purchase of Mecalc hardware!

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MECALC'S QUANTUS SERIES

Highly modular measurement system for dynamic signals.

- Full range of signal conditioning for almost any sensor type
- Low-noise/high-accuracy digitization
- Establish vibration limits for sensors
- Embedded data management are combined in a single platform
- Multiple options for battery power
- Communications and synchronization support a wide range of applications, from field to lab
- Simplified setup and control via a modern API supports rapid integration with dynamic signal analysis applications

MULTIFUNCTION, COMPACT, RUGGEDIZED

- Wide range of multifunction cards
- On-board signal conditioning, very low noise
- On device calibration of all components
- Induction cooled backup batteries

EXTENSIVE EXPERIENCE

- Modular I/O design for flexibility and future-proofing
- PTP Time Synchronization
- Over 40 years of business, globally installed base
- Manufacturing process completely in-house