

# INTRODUCING THE ALI<sup>25</sup> AND PHOENIXKONNECT

## The next-generation system for Pyroshock Data Acquisition

MECALC Technologies and Computer Methods are excited to announce our new system for Pyroshock data acquisition will be released and ready for shipment this Summer.

This system combines the ALI<sup>25</sup>, the latest addition to the **QuantusSeries** family, with PhoenixKconnect, a state-of-the-art touch-compliant software application designed for today’s stringent data acquisition and traceability requirements.

### ALI<sup>25</sup>

The industry’s first 5 MSa/s, 24-bit acquisition module with a flat bandwidth response greater than 2 MHz.

Built-in Signal Conditioning for bridge-type transducers.

### PhoenixKconnect

An intuitive solution for control, channel/signal validation, capture, analysis, and archiving of data. Supports simultaneous transient and streaming data capture using a combination of **QuantusSeries** and SD-VXI hardware.

PhoenixKconnect post-processing incorporates your custom scripts in Python, Matlab, or Kornucopia.



### KEY SPECIFICATIONS:

- Systems can be configured from 2 to over 1000 channels.
- Built-in Signal Conditioning for bridge-type transducers and voltage signals. Constant voltage or current excitation is programmable for each channel (supports TEDS)
- Measurement Integrity and Sensor Status prior to an event are verified with continuous pre-trigger monitoring, summarized channel information, and sensor fault detection.
- 21 M sample data buffer per channel.
- Each input channel has a buffered broadband low-noise output for monitoring or acquisition using a backup data collection system.
- Measurements are triggerable by signal level and validation, external events, data flow, and software command. This advanced set of triggering options supports multi-system synchronization and ensures event detection.
- Post-event data validation checking for Analog and Digital Overload events.

For more information or to set up a demonstration, contact us at [info@mecal.com](mailto:info@mecal.com).

Or visit us at: [MECALC.com](http://MECALC.com) or [www.PhoenixKconnect.com](http://www.PhoenixKconnect.com)



COME VISIT US AT THE

94<sup>TH</sup> SHOCK & VIBRATION SYMPOSIUM

NOVEMBER 3-7, 2024

IN DALLA, TEXAS FOR A LIVE DEMONSTRATION



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