96 channel configuration with rack-mounted passive interface panel.

Thermocouple-to-voltage submodule, ice point reference, long-line buffer and vacuum rated.

20 channel System with onboard passive interface panel.

MECALC

PhoenixKonnect supports the ALI^{25}, the industry's first 5 MSa/s 24-bit acquisition module with a flat bandwidth response over 2 MHz, slew rates greater than 50 V/µs and built-in signal conditioning for bridge-type transducers. Mecalc WSB and ICP® streaming modules also supported.

BODIE TECHNOLOGY, INC.
The Noisy Data Experts®

Due to the inherently noisy nature of high-speed data, appropriate sample rates and signal conditioning are vital elements for collection of non-aliased data. We have partnered with Bodie Tech and Kornucopia® ML™, a MATLAB-based tool for post-processing of **Phoenix**Konnect data.

PHOENIX KONNECT

CAPTURE WITHOUT COMPROMISE

Computer Methods offers turnkey systems utilizing the latest Mecalc **Quantus**Series hardware capturing high-bandwidth transient and shock events.

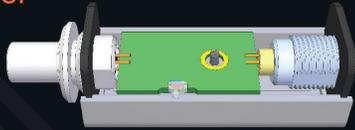Our application also supports legacy SD-VXI hardware.

COMPUTER METHODS

Tools of the Trade

BRIDGE COMPLETION MODULE

Eliminates complex cabling, preserves differential noise immunity with completion achieved at sensor

BREAKOUT BOX

Debug signal and excitation cable issues with our handy breakout box for inline measurements.

BALL DROP FIXTURE

Test sensor response and accuracy with our Ball Drop fixture (shown here with Endevco® 727-20K accels)

BUILT FOR INTEGRITY

Capture high-speed transient events and long-duration streaming data at the same time ensuring no loss of critical information across your entire test sequence.

CONTACT US

DISCUSS YOUR MEASUREMENT NEEDS

Nothern California, USA

+1 (510) 824-02-52

support@computer-methods.com

EXPLORE THE RIGHT SOLUTION FOR YOU

phoenixkonnect.com

KEY SYSTEM SPECIFICATIONS:

- 5 MSa/s at 24 bits

- Slew Rate >50 V/µs

- Bandwidth:
    - DC 1.0 MHz ± 0.1 dB at 5 MSa/s
    - DC 2.375 MHz -3 dB at 5 MSa/s

- Verifies measurement integrity prior to data capture with continuous pre-trigger monitoring, summarized channel information and sensor-fault detection.

- Group channels in clusters to support independent triggers and sample rate settings.

- Applies templated transducer setting for quick and convenient channel configurations.

- Supports high speed Type K and T Thermocouple to Voltage SubModule >1 MHz bandwidth.

- Multi-chassis coordination ensures detection of events is time and phase synchronous.

- Post-event signal processing scans each channel and graphically highlights both analog and digital overload.

- Interfaces with Kornucopia® ML™, a MATLAB-based tool for post-processing of transient data.