

INTRODUCING OUR NEW 6 CHANNEL ICP® MODULE

# efficiency that counts

HIGHER CHANNEL COUNT

ENHANCED FLEXIBILITY

MULTI-CHANNEL DYNAMIC DATA ACQUISITION

## ICS42 G2

ICS42 G2: 6 Channel ICP® and Voltage Input Amplifier



The new ICS42 G2 6-channel Module for the PAK MKII G2 hardware series, drives innovation forward by providing 50% more channels compared to the existing ICP42 G2 4-channel Module. Designed for vibration, acceleration, pressure and other measurements, in both voltage and IEPE/ICP® modes, users benefit from significantly increased channel count in a Mainframe without compromising bandwidth and signal quality, whilst maintaining 102.4 kSa/s sampling rate and 24-bit resolution. The ICS42 G2 Module can be used in existing SC42 G2 boards.

With its two 9-pin Lemo connectors, each with 3 channels, the ICS42 G2 is perfectly suited for applications where triaxial accelerometers are commonly used such as in structural analysis. However for applications where single sensors are used with BNC, Microdot or SMB cables, an appropriate SubModule is available to simplify cabling.

### ICS42 G2 highlights:

- 6 channels
- 2 input modes of operation:
  - ICP® mode with 4 mA constant current at  $\pm 12$  V or 24 V excitation
  - Voltage input mode with AC or DC coupling
- Supports TEDS IEEE 1451.4 V0.9, V1.0 (Class 1)
- 24-bit resolution, 102.4 kSa/s sampling rate per channel, 49 kHz bandwidth
- $\pm(10$  V, 1 V and 100 mV) input ranges
- 10% lower power consumption per channel than the ICP42 G2 Module
- Lemo 9-way EH.G.0B connectors for direct connection of triaxial accelerometers



PLEASE ASK US FOR MORE DETAILS OR A PRODUCT DEMONSTRATION

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