

MKAE-5024 Acoustic Emission System



MKAE-5024 is well designed acoustic emission system that represents superb craftsmanship of MKCNDT. Since all involved engineering works including circuit engineering, PCB artwork, application / firmware programming and final production assembling work are conducted inside the company, customers can purchase reliable system with reduced cost.

MKAE-5024 has 4 channel receiving units for acoustic emission testing and one pulser unit for calibration and pitch / catch testing purpose. Each receiving unit has its own controls for the best performance. Receiving channels could be easily added as customers' need.

Collected acoustic emission waveforms are transferred to the application software real time through optional DSP unit and analyzed with preset parameters. Each receiving unit also has hardware peak detectors for fast real time testing. For research and educational use.

MKCNDT also provides 4 different types of test bed that simulate different types of acoustic emission event.

Features

- Collects low noise waveforms over the wide range of frequency.
- Exports waveform in the gate.
- Hardware peak detector checks peaks real-time.
- Collected waveforms are analyzed through the provided software.
- Sturdy and stylish housing.

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Includes

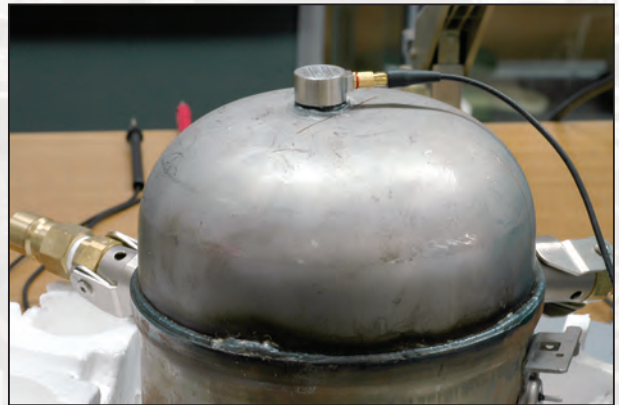
- MKAE-5024 main body
- Power cord
- DSP unit(optional)
- Application software(optional)
- User manual

Specifications

- Amplifier : 4 Channels, 30/40/50/60 dB, 10~1000kHz
- Pulser : 150V square pulser, 1 channel
- Sensor : 10~1,000kHz
- Frequency / Gain : 1~3MHz, 10~50dB
- Filter : LPF, HPF / ch
- Peak detector & counter : 4 channels
- A/D converter : 4 channels
- Event count : 30,000 hits/s (2.5MB/s data)



RF Output Waveform



Educational Test bed



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