

8-Channel Charge Amplifier Board w/Prog. Presample Filter and Simultaneous Sample Capability



Applications

- Flight test instrumentation
- Factory automation and process control
- Piezoelectric transducers, accelerometers, microphones, ...
- Research measurements and experiments

Features

- Charge amplifier board
 - Use with piezoelectric accelerometers
- 8 channels per board
- Simultaneous sample capability
- Software programmable presample filtering
 - 64 cutoff frequencies
 - 6-pole Butterworth filtering
- Software programmable input range
 - >10,000 settings from $\pm 11,000$ to ± 137 pC full scale
- Self-corrects DC bias errors
 - Servo action to maintain low frequency integrity
- >1,000 Megohms input impedance (power on)
- $\pm 0.5\%$ system accuracy
- Microsoft Windows application software included

Description

The CAS-108S is an 8-channel plug-in signal conditioning board for use in TTC's EDAU-20XX and CDAU-20XX products. The board is intended for signal conditioning of piezoelectric transducers that require software-programmable presample filtering and software-programmable gain. The board also provides simultaneous sampling capability. The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

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CAS-108S Datasheet

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Teletronics Technology Corporation
 15 Terry Drive, Newtown, PA 18940
 phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com