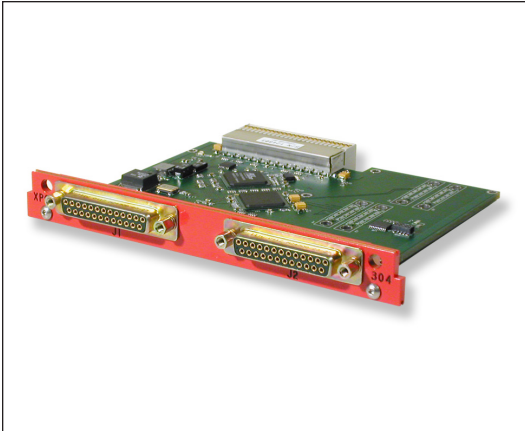


8-Channel Signal Conditioning Card – Voltage & Current Excitation, Programmable Digital Filter & Simultaneous Sampling



Applications

- Aircraft Instrumentation
- Data Acquisition Systems
- Flight Test Data Recording
- Flight Test Instrumentation
- Lab Test

Features

- 8-channel Signal conditioning Card
- MUX-300X(R) Plug-in card
- Programmable pre-sample filtering (per channel)
 - Using DSP FIR Filter
 - Approximates 12 Pole Butterworth Filter
 - Automatic Adaptive filter based on programmable channel sampling rate
- For use with Bridge, Potentiometer, or Accel transducer
- On board bridge completion of up to 3 arms
- Programmable features per channel:
 - Programmable Voltage Excitation
 - Programmable Current Excitation
 - Programmable AC or DC input coupling
 - Programmable Gain and Offset
- Per channel data resolution of 12 or 16 bit
- 14KSPS maximum sampling rate per channel
- Simultaneous sample capability among the card's channels
- Multiple XSCD-608D can be used in a single MUX chassis
- Windows XP/2000 Software Included

Description

The XSCD-608D is an 8 channel signal conditioning card for use in TTC's MUX-300X(R) products. The XSCD-608D is intended for applications that require flexible signal conditioning and simultaneous sample capability. The card digitizes data at up to 16 bit resolution. Data acquired by the card is preformatted in IntraPacket messages that are transported to the Overhead card memory via a customized high-speed CompactPCI® Bus. Data is recorded in a format compliant with IRIG 106 Chapter 10. Time tagging is provided per IRIG Chapter 10.

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XSCD-608D Datasheet

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