

4-Channel RS-232/485 Paroscientific Pressure Transducer Interface Card



Applications

- Aircraft instrumentation
- Avionics
- Lab test

Features

- 4-channel RS-232/485 bus interface
- Compatible with RS-232 and RS-485 Paroscientific pressure transducers series 1000, 6000 and 9000
- Interfaces with up to 16 units per channel for a maximum of 64 units
- Programmable serial port characteristics:
 - RS-232 operation
 - 2 wire RS-485 operation
 - 4 wire RS-485 operation
 - Baud rates from 300 to 115,200
- Timestamp per channel with high time, low time and micro time
- Provides pressure data and optional temperature data for each transducer
- Multiple cards in a single chassis
- Output data format is industry standard 32 bit floating point IEEE-754 format
- Microsoft Windows application software included

Description

The BIM-232P is a 4-channel RS-232/485 bus interface card for use in TTC's EDAU/CDAU-20XX series products. The card interfaces to Paroscientific pressure transducers. The card supports serial communications per the EIA-RS-232 standard at baud rates from 300 baud up to 115 Kbaud on a per-channel basis. High time, low time and micro timestamping are provided on a per-scan basis. All incoming serial data is stored on the card and is selectable by the user for transmission in the PCM output format as "Class I PCM" (standard fixed-position).

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BIM-232P-1 Datasheet

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