

128-Channel Pressure Scanner I/F Board



Applications

- Pressure measurement
- Airborne instrumentation
- Engine and fuel system testing
- Pressure control systems

Features

- Interfaces to Pressure Systems, Inc. "ESP Series" pressure scanners
- Up to 128 channels
- 4th order polynomial gain and offset correction
 - Compensated over temperature range
- Full, half or quarter of full scale range input
 - Sliding offset for half and quarter scale ranges
- Averaging (1, 2 or 4 samples) for noise reduction
- Zero calibration
- Microsoft Windows application software included

Description

The PSS-102 board is compatible with TTC's EDAU/CDAU products. The board provides all power and control signals to two Pressure Systems, Inc. "ESP Series" pressure scanners having up to 64 pressure inputs each. Each channel can have 4th order polynomial gain and offset correction when the ESP scanner is equipped with the temperature sense output. Three input ranges are provided; the full scale range of the ESP scanner, half scale and quarter scale range. There is a variable offset available for the half and quarter scale ranges to allow the user to "zero in" on a specific pressure range within the full scale range. The user can select to average 1, 2 or 4 samples for noise reduction. The PSS-102 also provides the capability to drive an external solenoid which, when coupled to a 100 psi pressure source, allows an active zero calibration to be performed. The two additional solenoid drivers are available to the user.

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PSS-102 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