

Pressure Transducer Strain Gauge Interface

The PTiM from **FACTS** provides a complete electrical interface for strain gauge transducers and includes a precision excitation voltage supply, signal conditioning, alarm outputs and auto-calibration.

The PTiM will interface to any strain gauge device but is specifically designed for millivolt melt pressure transducers including those supplied by Dynisco and Gefran.



features

Two Models

Single Channel: PN A-B31.01
Dual Channel : PN A-B31.02

Strain Gauge Interface

Precision 10 vDC Excitation Supply
mV Strain Gauge Input

Signal Conditioning Outputs per Channel

Simultaneous 0-10 VDC and 4-20mA

Over Pressure Alarm Detection

Field Adjustable Trip Points
Dual Indication Outputs:
 Mechanical Alarm Relay (N.C.)
 PLC 24VDC Alarm Output
Independent Alarm Set points per Channel
Alarm LED

Auto Calibration



MADE IN
THE USA

specs

DIN Rail Mount Size (w h d)

2.79in x 3.55in x 2.26in
71mm x 90.2mm x 57.5mm

Temperature Range (Operating and Storage)

-40° to 50°C with no icing
5% to 85% RH

Power

24 vDC / 180 mA - Reverse Voltage Protection

Transducer Excitation Power Supply

10 vDC Fused to 250 mA

Inputs

0-33 mV Strain Gauge (2, 4 or 6 wire)
Auto-Calibration 24 vDC

Outputs

0-10 vDC @ 25 mA Max with Short Circuit Protection
4-20 mA Self-Excited
PLC Alarm - Active Low, Sinking, 250 mS Minimum
Relay – 3A @ 30 vDC Normally Closed