

4 CHANNEL TRANSMITTER MODULE

FEATURES

- Separate, quick change, plug-in cables for input and output wiring.
- Accommodates up to four pressure or flow transmitters.
- Direct 0-5VDC output of static pressure, velocity pressure or flow.
- Onboard microprocessor for pushbutton transmitter calibration and AUTO-zero management.
- Field selectable AUTO-zero cycle times of 1 hour, 4 hours, 12 hours, and 24 hours.
- Time proven ¼% accuracy, analog transmitters, with AUTO-zero standard.
- Field selectable square root for pressure or flow output.
- Single circuit card per transmitter for easy troubleshooting, repair, or range change.

PERFORMANCE SPECIFICATIONS

Accuracy. With AUTO-zero: ±0.25% of Full Span, including non-linearity, hysteresis, deadband, and non-repeatability. Without AUTO-zero: ±0.50% of Full Span, including non-linearity, hysteresis, deadband, and non-repeatability.

Output. 0.05% resolution.

Scan Time. 0.125 second per installed transmitter (maximum ½ second per Transmitter Module).

Vibration Effect. ±0.05% of Full Span/5g to 60Hz.

Temperature Effect. Zero: None with AUTO-zero. Span: 0.015% of Full Span/°F.

Microprocessor. Motorola MC68HC11.

FUNCTIONAL SPECIFICATIONS

Outputs. 0-5VDC per transmitter for static pressure, velocity pressure or flow.

Inputs. Pressure (high) or differential pressure (high and low).

Power Supply. 24VDC, 10VDC, and -5VDC via cable from the Power Supply Module.

Overpressure Limit. 25 psig.

Transmitter Span. Calibrated span adjustable down to 40% of transmitter's natural span.

Indication. 2x16 LCD display for parameter setting and calibration. LED's for AUTO-zero and over-range, and CPU status.

Temperature Limit. -20°F to 180°F storage. 40°F to 140°F operating.

