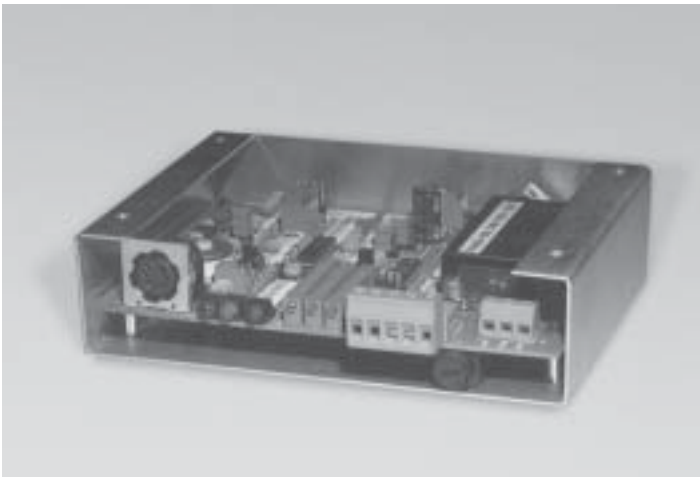


Process Monitor

Analog Output
Digital Setpoint Output



- Linearity ★★☆☆
- Resolution ★★☆☆
- Bandwidth ★★☆☆
- Adjustable Gain and Zero
- Can Be Stacked For Multiple Channels
- DC or Line Power Options

Specifications:

Resolution:	7μinch RMS *†
C1-C Probe, Standard Range	180nm RMS
Bandwidth:	Up to 15kHz (-3dB) *
Maximum Zero Drift:	0.02%F.S./°F * 0.04%F.S./°C
Analog Output Voltage:	±10VDC
Output Impedance:	0Ω
Switched Output:	NPN or PNP (Selectable) 200mA maximum
Operating Temperature Range:	40°F-120°F 4°C-50°C
Drive Frequency:	1MHz
Input Power Options:	±12-15VDC, 115VAC, 240VAC †

*Dependent on probe type and range

†For maximum resolution, switching power supplies should have a switching frequency over 100kHz.

The PM750 Process Monitor provides economical analog output with user adjustable sensitivity (gain) and zero. Its adjustability makes it useful in many applications, especially those that can master to a known good condition and then monitoring for changes in the process. This technique can be used not only in monitoring position of conductive targets, but also in monitoring the thickness, mass, density, and presence of non-conductive material during the manufacturing process.

The PM750 provides an open-collector switched output which switches when the output voltage crosses zero volts. Control systems can use this output to make on-the-fly adjustments or trigger alarm conditions.

Typical Output
Linearity
(C1 Probes)

