Durability NEMA 4, stainless steel construction throughout. Optional terminal head is black anodized aluminum or stainless steel providing RFI immunity. High quality, solid state circuitry has been stability enhanced by 100 hour, high temperature burn-in.

Input Non-corrosive gas, dry or moist air.

Input Range Positive gauge: 0 - 25"W.C. to 0 - 120 PSIG (8 bar); and 3 - 15 PSIG
Vacuum gauge: 0 - 40" W.C. to 0 - 30" Hg.
See Ordering Information Range Table, for overpressure limits and range turndowns.
User specifies required range in all cases.

Output 2 wire, 4 - 20 mA.

Supply Voltage 24 VDC nominal supply

Accuracy ±0.25% of span; includes combined effects of non-repeatability, hysteresis and terminal-based non-linearity.

Overpressure 10 times nominal range.

Temperature ±0.25% of span. Span and Zero from 32ºF to 122º F (0º to 50ºC).
±0.25% of span. Span and Zero from –13ºF to 185º F (-25º to 85ºC).

Adjustments Fine Span and Zero: ± l5% of span adjustment range.
Coarse Span switch for turndown per Range Table, see Order information sheet.

Mechanical Pneumatic input: 1/8" NPT. Output via 2-wire cable standard. Optional, black anodized aluminum or stainless steel terminal junction head with screw-clamp terminal strip, ½" NPT conduit entry, RFI protection and output current monitoring. Modular design allows full repairability.

Weight Standard: 16 oz. (0.45 kg). With optional terminal head: Aluminum 25 oz. (0.71 kg), or Stainless Steel 36 oz. (1.2 kg)

Guarantee PMC electronic instruments will be reconditioned free of charge if failure occurs within the first two years of service, providing there is no evidence of physical or electrical misuse or water damage to the electronics caused by wet junction boxes.

TYPICAL APPLICATIONS

Electronic conversion of PMC-PT and PMC-LT l:l pneumatic repeater outputs when used on:

- Any pressure line or process where gauge plugging is a problem and accurate readings are required.
- Inlet and outlet pressures on Bauer, Radiclone, Celleco, Hymac, Bird and similar centrifugal stock cleaner systems.
- Selectifier, Centriscreen, Centrisorter, Hooper and similar pressure screens.
- Inlet and outlet pressures on all types of pulp refiners, plus disc protection control.
- High temperature processes where accurate pressure readings are required.

Electronic conversion of 3 - 15 PSIG outputs from pneumatic primaries in:

- Hazardous areas requiring pneumatic transmitters.
- Older installations or special situations where pneumatic primary measurement is more accurate or economical than electronic alternatives.

PROCESS MEASUREMENT & CONTROLS, INC
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