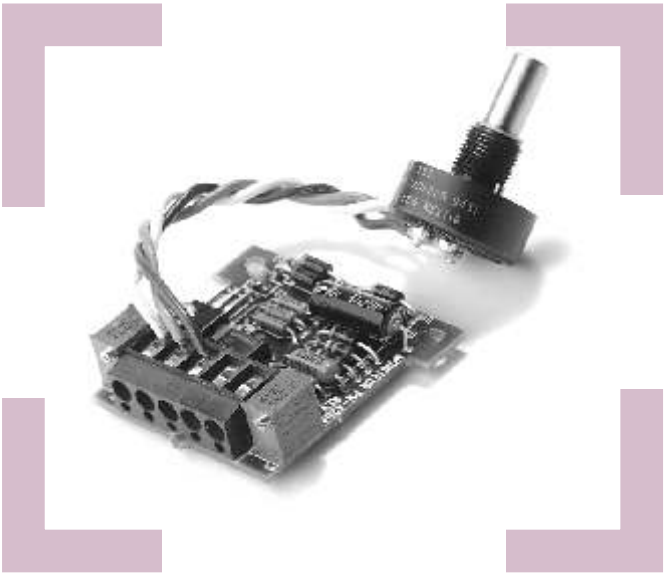
Moniteur

Transmitter and Potentiometer Options



Moniteur VPTs can be supplied with current (4-20mA) or resistive (0-1000 ohm) output, used to determine the precise position of the valve.

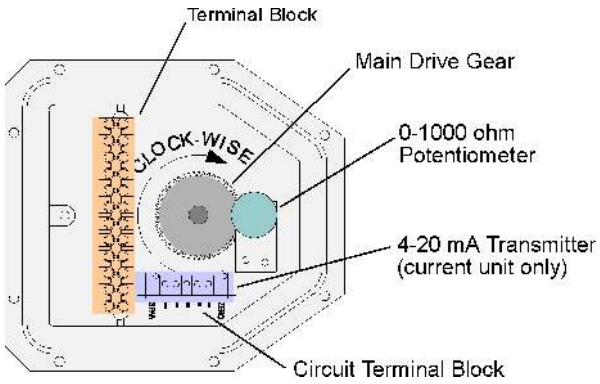
State of the art potentiometers resistant to drift, vibration and environmental effects are assembled with pressed-on drive gears utilizing a stabilizing o-ring. Field expedience has proved that hunting and vibration effects are reduced, resulting in feedback that is more stable and consistent over time.

Moniteur's transmitter electronics have been optimized for enhanced reliability and resistance to environmental effects with a double conformal coating. In addition, setting and adjusting the transmitter has been made simple with trimming pots located on the board.

Applications

- Critical valve position applications, computer interface, or trend analysis. The current or resistive output option provides precise valve position indication. A continuous analog signal in resistive or current form provides 0-100% readout of valve position.
- Valve positioners and actuation equipment that require additional, independent feedback signals.
- Additional monitoring of valve end-position. Up to two mechanical switches, non-contact switches or inductive sensors can be provided in the same enclosure with the current or resistive output electronics.

Specifications - Current and Resistive Output Options



Current Output

Power Supply Rating	10 - 38 VDC Loop Power
Recommended Power Supply	24 VDC
Output Signal	4 - 20 mA
Operating Temperature	-20° to 175° F
Load Impedance	0 - 1000 ohms at 24 VDC
Max. Output	55 mA DC
Rotation Range	85° - 105°
Linearity	+/- 1.0% of Full Scale
Hysteresis	0.55% of Full Scale
Repeatability	+/- 0.3% of Full Scale
Environmental Protection	Conformal Coating

Resistive Output

Standard Output	0-1000 ohm
Power Rating @ 70° C	1 Watt
Contact Elements	Plastic
Rotational Life (full load)	200,000 cycles
Options	50, 2k, 5k, 10k ohm

Note: results may vary depending on your specific application

MONITEUR DEVICES INCORPORATED
36 Commerce Road, Cedar Grove, NJ 07009 Tel. (973) 857-1600 Fax (973) 857-7289
www.moniteurdevices.com

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