

Moniteur VPTs can be supplied with current or resistive output that is used to determine the precise position of the valve. This output signal can be resistive (0-1000 ohm) or current (4-20 mA) and interfaces with most PLC and DCS systems such as HART, Device Net, ASI and others.

Moniteur incorporates state of the art potentiometers resistant to drift, vibration and environmental effects. As a result, feedback signals are more stable and consistent over time, resulting in accurate valve position indication.

Moniteur has also developed its own transmitter electronics for enhanced reliability and resistance to environmental effects. In addition, setting and adjusting the transmitter has been made simple with trimming pots located on the board.

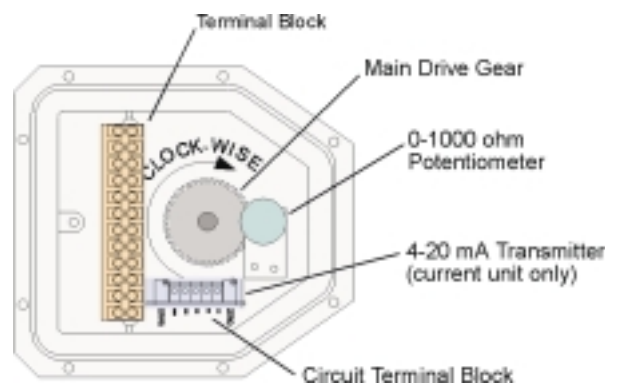
### Applications

- \* 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 independent feedback signals.
- \* Additional monitoring of valve end-position. Up to two mechanical or 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	0 - 105° - minimum 40°
Linearity	+/- 1.0%
Hysteresis	0.55% of full scale
Repeatability	+/- 0.3% of full scale
Environmental protection	conformal coating



#### Resistive Output

Standard Output	1000 Ohms
Power rating @ 70 C	1 Watt
Contact Elements	Plastic
Rotational Life (full load)	200,000 cycles
Options	50 or 10,000 ohm