MRT RATE METER, TOTALIZER & BATCHER



Flow Pressure Level Temperature measurement monitoring control



- Display Rate or Total
- Batching Version Available
- 2 Presets for Rate or Total
- Fully Scalable
- Analog or Serial Communications
- NEMA 4X Front Panel
- Pulse Input to 10 kHz

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Model: MRT

S6



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Kobold's MRT series of controllers offers users a full range of frequency input control options. Through use of full scalability and two internal set-point relays, a wide range of totalizing and rate metering/control applications may be realized. A specialized batching version is available for use in automated fill or other metering tasks.

The batching unit offers one available batch value (front panel programmable) with one "pre-warn" value. Start/Stop functions are accessed manually from either the front panel, or electronically via the rear terminal strip. Rate metering capability is standard on all batchers.

All units feature a six digit LED display for indication of count (total) and/or five digit rate. Two count input channels (A and B) are featured on the totalizing units. Channel A serves double duty as the rate input. The totalizing display can be programmed to show sum (A+B) or net (A-B) values.

Ordering Information

MRT-	W = Function	X = Operating Voltage	Y = Count Input	Z = Output
	W = 1 Rate & Total	X = 1 220 VAC	Y = 3 Standard High Impedance 4–30 VDC 9.99 kHz max. Y = 4 Mag. Input 30 mV min.	Z = 0 None
	W = 2 Total Only	X = 5 110 VAC	Y = 5 Single Count with up/down input	Z = 1 RS-232 interface
	W = 4 Batching		Y = 9 Quadrature 4–30 VDC 9.99 kHz max.	Z = 2 RS-422 interface
				Z = 3 0(4)–20 mA

To Order: Choose one option from each of the columns titled »W, X, Y and Z«. Then assemble the part number by substituting your chosen options' number value in the part number as: MRT-WXYZ.

Example: A rate meter and totalizer (W = 1), 110 VAC (X = 5), standard input (Y = 3), and 0(4)–20 mA output (Z = 3), would be ordered as an MRT-1533.

MRT - Rate Meter, Totalizer & Batcher



Input/Output options include standard as well as direction indicating inputs, a quadrature input feature, RS-232, RS-422, and 0(4)–20 mA communications protocols.

Specifications

Display **Displayed Values:** Rate, Total, Batch Display Type: 0.55" Red LED 5 digit Rate 6 digit Total 6 digit Batch Power Input: 110 VAC, 220 VAC 12 VDC 250 mA maximum or 6.5 VA maximum **Excitation:** 12 VDC @ 50 mA (AC units only) Inputs: 1 rate/count input 1 count only input 1 reset input Level: Low: 0-1 VDC High: 4-30 VDC Frequency Range: 0-10 kHz Impedance: 10 kohm **Outputs:** 2 N/O relays, 10 A @ 240VAC/28VDC and 0(4)-20 mA or RS-232 port or RS-422 port Environmental Operating Temp.: + 32 °F to + 130 °F - 40 °F to + 200 °F Storage Temp.: NEMA 4X front Housing: panel NEMA 1 case