SPECIFICATION SHEET

MODEL E7000

TWO-WIRE 4-20 mA TRANSMITTER

Features:
- Works for meter sizes up to 24"
- 2-wire 4-20 mA output
- Output is linear with flow rate
- Compatible with all McCrometer propeller meters with a mechanical register
- Installation can be accomplished without meter removal from pipe
- Signal can travel up to 5000 feet
- Dry contact pulse
- Open collector pulse
- Anti-reverse options

E7000 Model: 4-20 mA Output, Dry Contact, Open Collector, Anti-Reverse

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<th>Dry Contact</th>
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Electrical Characteristics:

4-20 mA Output:
- Operating Temperature: +25 to +130 degrees F
- Supply Voltage: 16 - 40 VDC
- Temperature Coefficient: ±1.0%
- Linearity: 0.1%
- Accuracy: 0.5% over the entire range
- Maximum Resistive Load: Supply Voltage Dependent*
- Reverse Voltage Protection: -300V Maximum

Typical Wiring Diagrams:

Dry Contact Output**:
- Type: Relay Contact, Norm. Open
  - Rated Load (AC): 0.5 A at 125 VAC
  - Rated Load (DC): 1 A at 30 VDC
  - Max. Operating Current: 1 A
  - Max. Switching Power: 30 W, 62.5 VA
  - Pulse (Contact Closure) Duration: 20 milliseconds
  - Max. Pulses (Clicks) per Minute: 10

Open Collector Output**:
- Type: NPN Darlington, Isolated
  - Isolation Voltage: 5000 VAC
  - Collector to Emitter Voltage: 40 VDC Maximum
  - Collector Current: 200 mA Maximum
  - Pulse Output Duration: 20 milliseconds
  - Max. Pulses per Minute: 350

* - Use formula (Supply Voltage - 16) x 50 = Maximum Load (Ω)
** - Totalizer output operates only when power is applied to the 4-20 mA loop.

McCrometer reserves the right to change the Specification without notice.

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