### Specification Sheet

#### Model:
E7000

#### Description:
Two-Wire 4-20 mA Transmitter

#### Document #:
24527-13

#### Rev.:
1.3

#### Date:
02-05

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### Features:
- Industry standard 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
- For meter sizes up to 24"
- Signal can travel up to 5000 feet
- Additional pulse output and anti-reverse options

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### E7000 Model:

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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* (-300V Maximum)
- **Reverse Voltage Protection:** -300V Maximum

#### 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
- **Contact Closure Duration:** 20 milliseconds
- **Max. 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

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### Typical Wiring Diagrams:

#### 4-20 mA Output

- **Red**
- **Black**
- **E7000 Power Supply**
- **Instrumentation**
- **4-20 mA Input**

#### Dry Contact Output

- **Orange**
- **Blue**
- **Pulse Counter**

#### Open Collector Output

- **Orange**
- **Blue**
- **Protection Diode**
- **Pulse Counter**

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* - Use formula \((\text{Supply Voltage} - 16) \div 0.02 = \text{Maximum Load(Ω)}\)

** - 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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