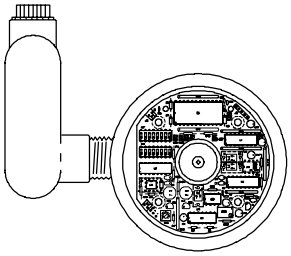
Specification Sheet

Model:	Description:	Document #:	Rev:	Date
E7000	Two-Wire 4-20 mA Transmitter	24527-13	1.2	06/02



Features:

- Industry standard 2-wire 4-20 mA output
- Output is linear with flowrate
- 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

E 7 0 0 0 - 0 x x

Anti-Reverse
0 - No
1 - Yes

Pulse Output
0 - None
1 - Dry Contact
2 - Open Collector

E7000 Model:	4-20 mA Output	Dry Contact	Open Collector	Anti-Reverse
E7000-000	•			
E7000-001	•	•		
E7000-002	•		•	
E7000-010	•			•
E7000-011	•	•		•
E7000-012	•		•	•

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

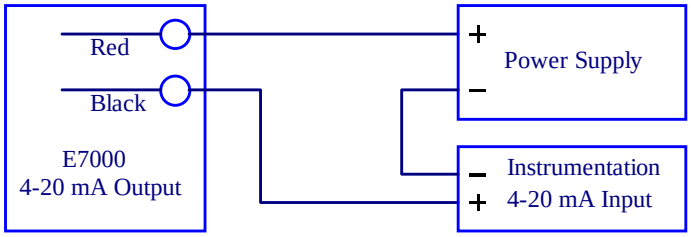
Dry Contact Output:**

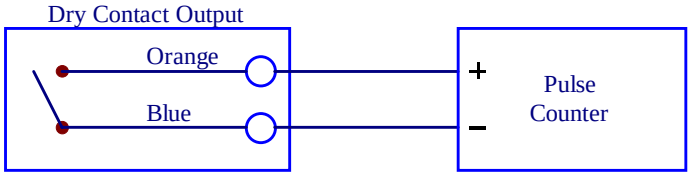
Type:	Relay Contact, Norm. Open
Rated Load (AC):	0.5 A at 125 VAC
Rated Load (DC):	1 A at 30 VDC
Max. Operating Current:	1 A
Max. Switching Power:	30 W, 62.5 VA
Contact Closure Duration:	20 milliseconds
Max. Clicks per Minute:	10

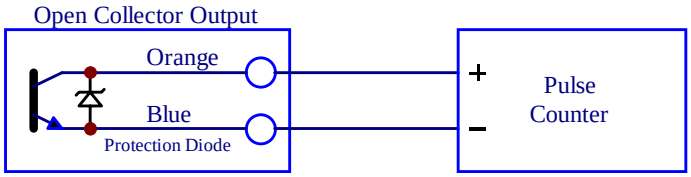
Open Collector Output:**

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

Typical Wiring Diagrams:







* - Use formula (Supply Voltage - 16) ÷ 0.02 = 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.

McCROMETER
3255 W. Stetson Ave., Hemet, CA 92545-7799 USA -- Phone (909) 652-6811 / Fax (909) 652-3078
Web Site: http:/ / www.mccrometer.com e-mail: info@mccrometer.com
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