E7500 Two-Wire 4-20 mA Transmitter 24527-15 1.2 02-05

Features:

♦ Industry standard 2-wire 4-20 mA output, Anti-Reverse
♦ 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 from 24” and above
♦ Signal can travel up to 5000 feet
♦ Additional pulse output options

E7500 Model: 4-20 mA Output  Dry Contact  Open Collector  Anti-Reverse

E7500-010  •     •     •
E7500-011  •     •     •
E7500-012  •     •     •

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* 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

* - 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.