

Specification Sheet

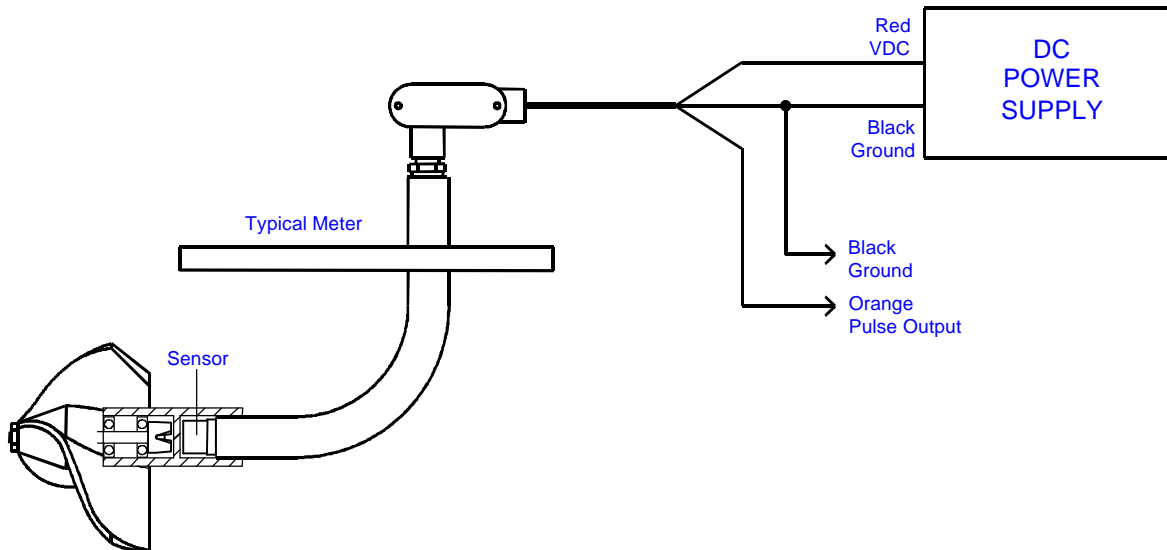


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Model:	Description:	Document #:	Rev:
EA550	Electronic Transmitter	24527-17	2.0

General Description:

The electronic transmitter fitted to a propeller meter eliminates the need for both the drive cable and register head. Digital pulses are generated by a solid state sensor located in the bearing assembly. Pulses are transmitted to a terminal block housed within a conduit at the top of the flowmeter. The elimination of the mechanical drive cable allows the electronic meter to achieve a greater accuracy over a wider flow range.



Sensor Specifications:

Sensor Type:	Hall Effect Digital Sensor
Supply Voltage:	3.8 – 30 VDC, 12 VDC normal
Supply Current:	7.5 mA Typical
Output Pulse:	2 pulse/rev., 50% high, 50% low
Output Pulse Level:	Supply Voltage
Output Type:	Sink
Output Current:	20 mA max.
Rise/Fall Time:	1.5 microseconds maximum
Operating Temp.:	160°F maximum
Transmit Distance:	500 Feet Typical

Pulse Duration

nom. size	Dial Range GPM	Gallon Ratio	Ratio Mult.	Min. Duration milliseconds
2	35 – 250	600:1	10	10.0
2.5	35 – 250	600:1	10	10.0
3	35 – 250	600:1	10	10.0
4	50 – 800	2000:1	100	9.4
6	65 – 1300	675:1	100	17.1
8	70 – 2500	400:1	100	15.0
10	85 – 3000	2300:1	1000	21.7
12	100 – 4000	1600:1	1000	23.4

Note:

1. pulse duration in milliseconds = $150000 * \text{Gallons Multiplier} / (\text{Gallons Ratio} * \text{full scale GPM})$

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McCrometer reserves the right to change the Specification without notice.

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