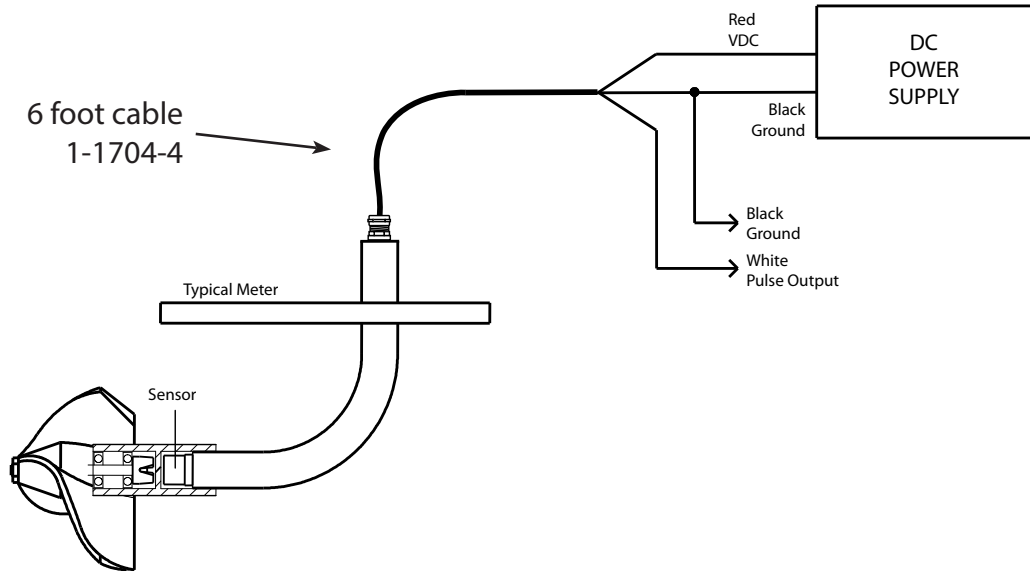


MODEL EA550

ELECTRONIC TRANSMITTER

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.



! IMPORTANT Conduit information!

When conduit is used DO NOT connect the conduit directly to the EA550 junction box as this will allow moisture intrusion and void the warranty.

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 MULTI.	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 * Gallons Multiplier / (Gallons Ratio * full scale GPM)
2. Pulses per gallon = 2 / (gallon multiplier * 10 / gallons ratio)