

Pulsafeeder's MTRPFT 4-20mA Flow Meter Controller is a microcontroller-based indicator/transmitters that display flow rate and total and provide output signals. The 4-20mA Flow Meter Controller is powered by external AC voltage and has both pulse and 4-20 mA analog outputs, both numerically scaled by the user. When the MTRPFT is being used in the 4-20 mA mode, it is a "two-wire" or "loop-powered" device, meaning that the 4-20 mA output signal becomes the power supply for the meter.

The dual-relay output board allows for certain applications requiring contact output isolation (e.g., certain metering pumps and water treatment controls). Dual solid state relays provide pulse output and each can signal one external device. A non-resettable total is also available. The MTRPFT is available with a built-in 115 Vac/12-24 Vdc dual power supply for magmeters.

The MTRPFT can be remotely wall mounted, housed in rugged plastic, potted and gasketed for maximum environmental protection. A membrane keypad allows settings to be changed without removing the cover. (Password protection, a standard feature, can be used to prevent settings from being changed.)

### Features

- Simple Setup
- Loop Powered
- Remote or Flow Sensor Mounted Indicator
- Rugged Plastic Housing
- Non-volatile Memory

### Operating Benefits

- Built in 4-20 mA analog output.
- User-scaled pulse output.
- Two relay outputs.



### Aftermarket

- Solenoids
- Motorized Ball Valves
- Water Meters
- Corrosion Coupon Racks
- Metering Pumps (PULSAtron, XP Series)

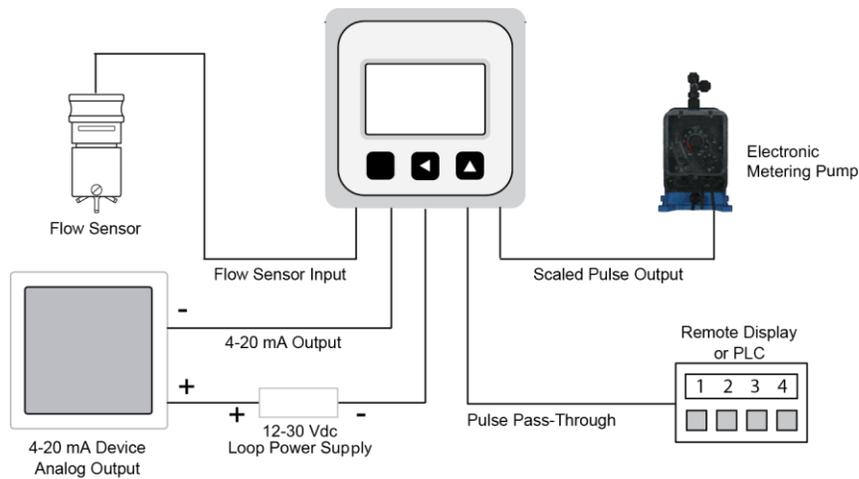


**NEMA 4X**

**4-20mA Flow Meter Controller**

# 4-20mA Flow Meter Controller

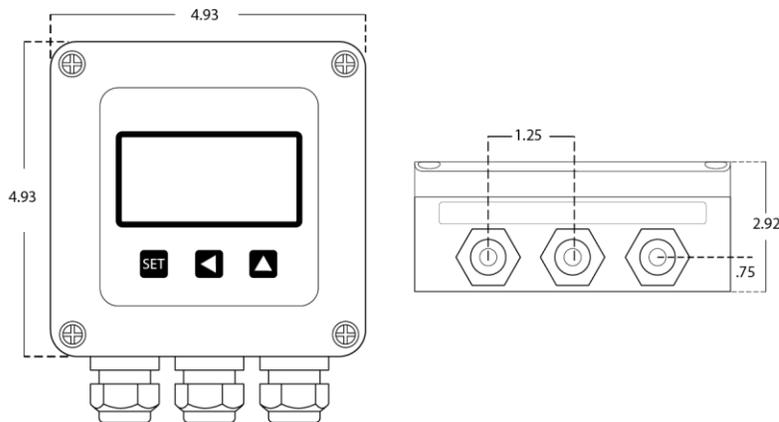
## Typical Installations



## Engineering Data

<b>Power:</b>	110 VAC, 4mA (4-20mA when loop-powered)
<b>Display</b>	<p><b>Rate:</b> 6-digit Autorange, 1/2" character height</p> <p><b>Total:</b> 8-digit, 5/16" character height</p>
<b>Outputs</b>	100 mA at 60 Vac/Vdc, opto-isolated, open-collector
<b>Current Sinking:</b>	Scaled Pulse output (0.1 sec duration 6.1 Hz max) or High Alarm output or Low Alarm output. Sensor pass-through Pulse output (unscaled)
<b>Analog:</b>	4-20mA loop; 24-30 Vdc
<b>Pulse Output Range:</b>	0.1 – 9999999.9 units/pulse
<b>Input:</b>	5V pulse or contact closure
<b>Input Range:</b>	1.0 – 1,500 pulses/second
<b>K Factor Range:</b>	.001 – 99999.999
<b>Flow Alarm Output Range:</b>	.001 – 999999.99
<b>Temperature:</b>	-22 <sup>o</sup> - 148 <sup>o</sup> F (-30 <sup>o</sup> - 65 <sup>o</sup> C)
<b>Enclosure:</b>	Plastic, NEMA 4X, IP66
<b>EMC:</b>	EN 61000

## Dimensions



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