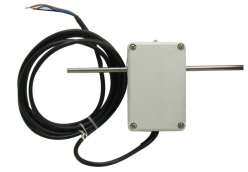


# HydroMeter™ CFHM

INLINE LIQUID FLOW METER DATA SHEET



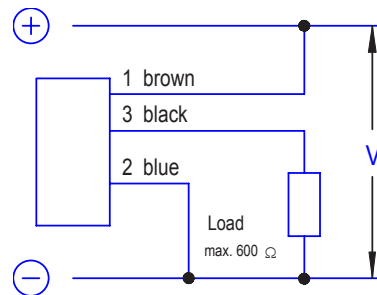
## DESCRIPTION

Ideal for monitoring low flow rates, HydroMeter is a self-contained, inline flow meter that is ideal for measurement and control applications. HydroMeter is field adjustable and provides a 4-20 mA output for flow rate. The hollow stainless steel tube acts as the sensing device and provides intrusion-free flow monitoring. Typical applications include chemical dosing, oil lubrication monitoring, food and beverage processing, light to medium viscosity fluids and a variety of other industrial applications. Select the appropriate configurations based on your application or contact our Application Specialist for additional assistance.

## FEATURES & BENEFITS

- Compact, Rugged Industrial Design
- Self-Contained Flow Meter
- Ideal for Small Pipe Sizes
- Non-Intrusive Sensing
- Suitable for Liquids, Semi-Solids and a Wide Range of Corrosive Media
- Field Adjustable With a 4-20 mA Output
- No Moving Parts

## CONNECTION DIAGRAM



4-20 mA current output

## SPECIFICATIONS

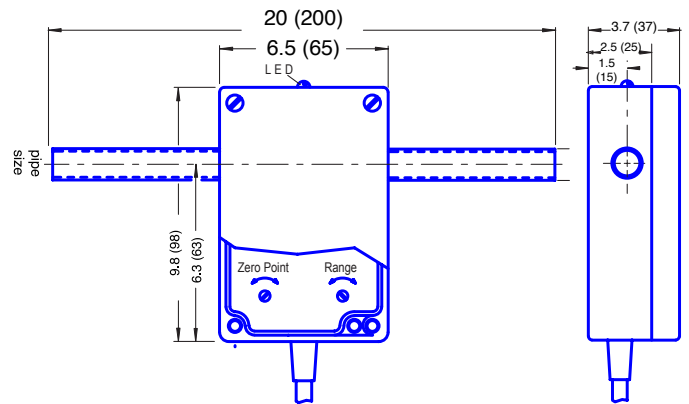
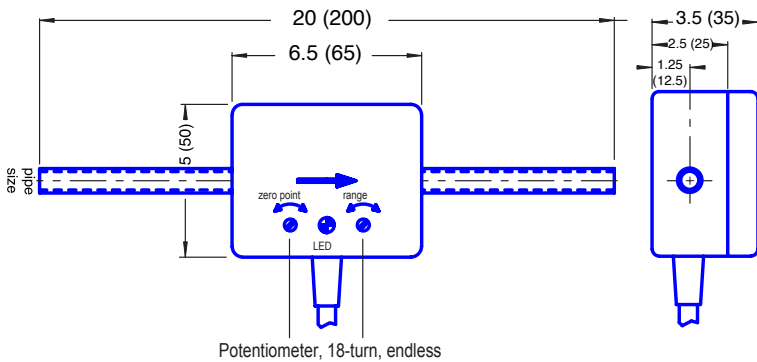


Sensor	
<b>Service</b>	Compatible liquids
<b>Measuring Range</b>	Continuously adjustable from 0-0.65 fps to 0-3.3 fps
<b>Response Time</b>	2-10 seconds
<b>Repeatability</b>	± 2% full scale
<b>Temperature Drift</b>	± 1.37°F (± 18.53°C)
<b>Protection Rating</b>	NEMA 4 (IP65)
Mechanical	
<b>Sensor Material</b>	Stainless steel (Std.) or Hastelloy®
<b>Connection Size</b>	1/8", 1/4", 1/2" 3/4"
<b>Connection Type</b>	Female NPT (Std.); Special Connection (Optional)
<b>Enclosure Material</b>	Makrolon®
<b>Process Temperature</b>	F: 14° to 176° C: -10° to 80°

<b>Ambient Temperature</b>	F: 14° to 140° C: -10° to 60°
<b>Pressure</b>	435 psi (30 bar)
Electrical	
<b>Supply Voltage</b>	24 VDC ±10%
<b>Consumption</b>	100 mA maximum
<b>Output Current</b>	4-20 mA
<b>Loop Resistance</b>	0-600 Ohms
<b>Measuring Range Adjustment</b>	The two potentiometers can be adjusted to set the measuring range and zero point. Operation within the measuring range is indicated by a green LED (within the range: ON; beyond the range: OFF)
Cable	
<b>Cable Jacket Material</b>	Oiflex
<b>Cable Length</b>	6.5 ft, 3-conductor 18 AWG

*Note: Please Consult Factory for Special Requirements  
\*Data Based on Water*

## DIMENSIONS cm (mm)



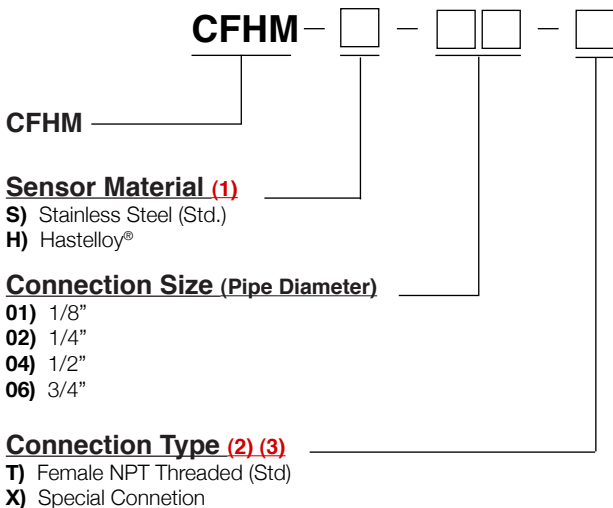
## Ordering Information

### FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number. Simply match the category number to the corresponding box number.

**Example: CFHM-S-02-T** HydroMeter™, Stainless Steel Sensor Material, 1/4" Connection Size, Female NPT Connection



### Ordering Notes:

- (1) Select the best configuration based on your requirements
- (2) If you require a Special Connection (X), please consult factory with your requirements
- (3) Comes complete with 6.5' (2m) pre-wired cable and manual

Specifications are subject to change without notice.