TURBOFLOW

FT-110 Series – TurboFlow®

Economical Flow-Rate Sensors

- Low Cost Plus High Accuracy ±3% of Reading
- Measures Low Liquid Flow Rates of .1 to 8 GPM
- Lightweight Plastic Design Enables Mounting in any Position

Gems hall effect turbine flow rate sensor is ideal for OEM applications involving low flow liquid monitoring. The low cost coupled with 1/2% repeatability makes it an ideal candidate for replacing dispensing timer systems. Unlike existing timing systems, turbine technology is not influenced by changes in system pressure caused by aging filters. The sensor's standard power and output specifications make it easy to retrofit to existing controllers.

Specifications

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Wetted Materials Body	Nylon 12		
Turbine	Nylon 12 Composite		
Bearings	PTFE/15% Graphite		
Operating Pressure	200 PSIG		
Burst Pressure	2500 PSIG		
Operating Temperature	-4°F to 212°F (-20°C to 100°C)		
Viscosity	32 to 81 SSU (.8 to 16 Centistokes)		
Filter	<50 Microns		
Input Power	5 to 24 VDC @ 8mA		
Output (Hz)	NPN Sinking Open Collector @ 50mA Maximum (1 to 2.2K Ohm Pull-Up Resistor Required)		
Accuracy	±3% of Reading		
Repeatability	0.5% of Full Scale		
Electrical Connection	Spade Terminals .110"/.248" x .031" (2.8/6.3 x .8 mm) or 3 ft. cable		
Inlet/Outlet Ports	3/8 NPT Male (3/8 G Male also available)		

How To Order - Standard Models

Specify Part Number based on desired body material and port size.

For 1-meter (3-ft.) cable units, add	"-C" to part number
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Flow	Flow Range		Pulses per		Part Number
GPM	Liters/m	Gallon	Liter	Output	3/8″ NPT
.13-1.3	0.5-5	26100	6900	58-575 Hz	173931 🗲
.26-2.6	1-10	12500	3300	55-550 Hz	173932 🗲
.26-4.0	1-15	17400	4600	76-1150 Hz	173933 🗲
.26-4.0	1-15	8300	2200	37-550 Hz	173934 🗲
.53-7.9	2-30	3800	1000	33-500 Hz	173935 🗲

🗲 – Stock Items.

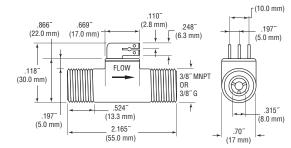
FT-110 Accessories

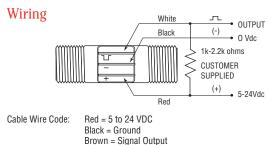
Consult factory for special customized OEM versions.

Description	Part Number	
Mating connector w/3 feet, 3 conductor, PVC pigtail cable	173941 🖌	
Mating connector w/10 feet, 3 conductor, PVC pigtail cable	173942 🖌	

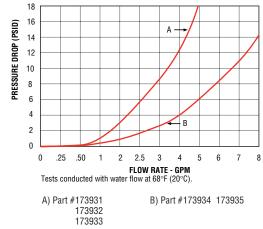


Dimensions





Pressure Drop—Typical



See Display and Power Accessories on Page E-10

Rate Meters and Totalizers complete your flow monitoring system.