

ECONOMICAL FLOWMETERS

For Measuring Water in a Closed Pipe System

FL-30000 Series
Starts at
\$75



Optional †

- ✓ Direct-Reading Scales
- ✓ Impact-Resistant Machined Acrylic Body
- ✓ Wear- and Corrosion-Resistant 316 SS Floats
- ✓ 1 to 8" Pipe or Copper Tube Connection

FL-30002, \$75, shown larger than actual size.

FL-30000 Series flowmeters use a pitot tube pickup and a hard-edged float design to provide a convenient and economical means of measuring water flow in a closed pipe system. A one-piece, impact-resistant machined acrylic body offers the strength and long service required in most commercial and industrial applications. Ten low-flow rate models are ideal for applications in which flow rates are typically low, such as in solar-heated pools and spas, electronics, and irrigation.

Note: If used on schedule 80 PVC pipe, it will read 12% higher than actual.

SPECIFICATIONS

Accuracy: 10% of FS

Meter Body Construction: Acrylic

Temperature Limit:
88°C (190°F) at 0 psi

Pressure Limit:
150 psi at 21°C (70°F)

Pressure Drop: 0 psi

Capacity: 5 to 1900 GPM
(20 to 7200 LPM)

Mounting: Horizontal pipe

Piping Connection:
1 to 8" schedule 40 pipe or 1 to 8" OD copper tube size, depending on model ordered

Weight: 0.45 kg (1 lb)

Pipe Diameters Required:
10 upstream, 5 downstream

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)*

Model No.	Price	GPM	LPM	Pipe Size	L x W x H mm (in)
FL-30001	\$75	5 to 35	20 to 160	1"	64 x 25 x 152 (2.5 x 1 x 6)
FL-30002	75	20 to 100	75 to 375	1½"	
FL-30003	75	9 to 30	30 to 110	1½"	
FL-30004	80	40 to 150	150 to 550	2"	
FL-30005	80	18 to 70	60 to 260	2"	
FL-30006	91	60 to 240	225 to 900	2½"	
FL-30007	103	80 to 300	300 to 1125	3"	
FL-30008	103	40 to 140	160 to 520	3"	
FL-30009	112	125 to 500	550 to 2000	4"	
FL-30010	181	250 to 1050	900 to 3900	6"	
FL-30011	201	500 to 1900	2000 to 7200	8"	
FW-343	140	Reference Book: Maintenance of Instruments & Systems			

* To order units for copper tube applications, add suffix "-T" to model number, no additional charge.

† For 5-point NIST calibration add suffix "-NIST" to model number and \$375 to price.

Comes complete with operator's manual.

Ordering Examples: FL-30004-T, flowmeter for use with copper tubing, 40 to 150 GPM (150 to 550 LPM) range, 2" pipe size, \$80.

FL-30008, flowmeter 40 to 140 GPM (160 to 520 LPM) 3" pipe size, \$103.

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters