

New Electronic Digital Flowmeters

New digital flowmeters install quickly into existing pipe systems to provide accurate flow and totalizing at a very affordable price. There is nothing to program, no buttons to press except a reset on the totalizers. The large LCD display provides immediate feedback of process. Select one of three different monitoring packages. The molded polypropylene fittings adapt easily to your flow system.

These paddlewheel flowmeters are factory calibrated with the engineering units that you require. The precise digital technology in the sensor is used to accurately monitor flow rates from 1.0 to 20 ft/sec. A TTL/CMOS square wave pulsed output signal is counted by the monitor and multiplied by scaling factors to display flow rate and total. The meters are constructed of corrosion-resistant materials. Once installed maintenance is minimal. Non-volatile memory. Weather-resistant (NEMA 4X) ABS housing. One year warranty.

INSTALLATION NOTE: Accuracy of measurement is affected by disturbances such pumps, elbows, tees, valves in flow stream. Install the flowmeter in a straight of pipe **as far as possible** from any disturbances. Typical minimum pipe length requirements start at 10 x Pipe ID Inlet and 5 x Pipe ID Outlet. Horizontal or vertical mounts acceptable. Pipe should be full at all times.

APPLICATIONS

*Water treatment
Batch control
Proportional control
Cooling systems*

SPECIFICATIONS

Measurement Range:	See ordering table
Display/Resolution:	4-digit, 0.375"H LCD
Accuracy:	±2% full scale
Repeatability:	±1% full scale
Sensor:	Paddlewheel
Max. Fluid Temp.:	93°C (200°F)
Max. Fluid Pressure:	300 psig (20 bar)
Max. Fluid Debris Size:	0.5 mm (0.020") diameter
Operating Temp.:	0 to 43°C (32 to 110°F)
Enclosure:	NEMA 4X (acceptable for outdoors)
Wetted parts:	PVDF, PP, Hastelloy C, Viton®
Power:	2 x 1.5 V AAA batteries (1 yr life typ.)
Dimensions(Controller): (L x W X D)	102 x 102 x 82.6 mm (4 x 4 x 3.25 in.)
Weight (meter):	approx 1.4 kg (3 lbs)
Shipping Wt:	approx 1.8 kg (4 lbs)

**Flow Rate and Totalizing
Battery -operated**



Enjoy easy, accurate flow measurement with the FD200 flowmeter.

SPECIAL FEATURES

*Select from 3 models
Large 4-digit LCD display
NEMA 4X enclosure—use outdoors
Standard Calibration units—LPM,
GPM, M³/Hour, Oz/Min, GPH, LPH
No programming required*



Additional fitting options are available at extra charge. The FD200 flowmeter is shown with machined polypropylene fittings with union connectors for easy removal.

FD200 - Flowmeters

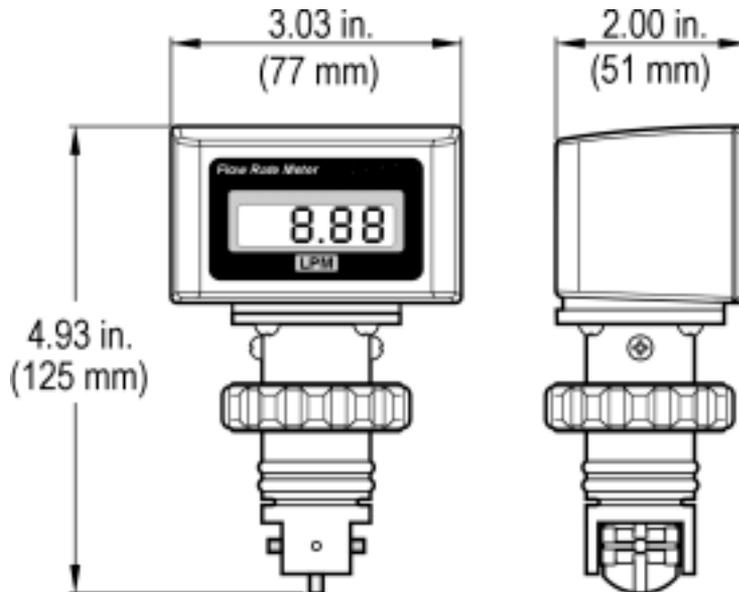
FD200 Ordering Information – (LPM standard; specify calibration unit at time of order)

Pipe Size	Flow Range		Power (Batteries)	Control Module Part No.		
	LPM	GPM		Rate Only	Total Only	Rate/Total
Standard Flow Range						
3/8"MPT	3.00 to 30.00	0.800 to 8.00	2 x 1.5V AAA	FD200.021	FD200.121	FD200.221
1/2"MPT	7.00 to 70.00	2.00 to 20.00	2 x 1.5V AAA	FD200.022	FD200.122	FD200.222
3/4"MPT	11 to 110	3.00 to 30.00	2 x 1.5V AAA	FD200.023	FD200.123	FD200.223
1"MPT	20 to 200	5.00 to 50.00	2 x 1.5V AAA	FD200.024	FD200.124	FD200.224
Low Flow Range						
3/8"MPT	1.00 to 10.00	0.400 to 4.00	2 x 1.5V AAA	FD200.025	FD200.125	FD200.225
1/2"MPT	2.00 to 20.00	0.500 to 5.00	2 x 1.5V AAA	FD200.026	FD200.126	FD200.226
3/4"MPT	3.00 to 30.00	0.800 to 8.00	2 x 1.5V AAA	FD200.027	FD200.127	FD200.227
1"MPT	7.00 to 70.00	2.00 to 20.00	2 x 1.5V AAA	FD200.028	FD200.128	FD200.228

For best performance and paddle life, select flowmeter with operating range 10 to 75% of rated flow.

NOTE: 1. Add "G" after the Part No. for display in GPM. Contact your distributor to specify other units of measure. Larger pipe sizes, PVDF fittings, remote mounting packages and other calibration units available. Inquire for details.

Dimensions



For more information contact:

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