

Micro-Flo Paddlewheel Flowmeter

Digital Flowmeter for Very Low Flows



Features

- Quick and easy to install
- 6-digit LCD rate and totalizer display
- User selectable volume and time units
- Measure very low flows (to 1 oz./min)

Description

The Micro-Flo Paddlewheel Flowmeter is designed to measure very low flows down to 1 oz./min, in tubing sizes down to 1/8". The Micro-Flo's chemical resistant wetted materials make it suitable for many chemical feed applications. (More chemical feed products are presented starting on page 116.)

Easy Digital Display and Calibration

The Micro-Flo's easy to read, 6-digit LCD display indicates both rate and total accumulated flow, with user selectable or custom programmable scale factors in units of US gallons, liters, ounces, and milliliters. Time units are selectable in minutes, hours, or days. The Micro-Flo meter also features a volumetric field calibration programming system, which allows the user to fine tune the meter for a particular application. A handy open collector alarm output is included for use with an autodialer, PLC, or telemetry system.

Rugged Design

The Micro-Flo's rugged sensor body is constructed of chemical-resistant PVDF and includes a clear PVC window so that you can observe the liquid flow past the impeller.

Options to Meet Your Needs

The Micro-Flo models listed below are offered with 1/8" NPT(F) or 3/8" OD connections, a sensor-mounted display, and a 115 VAC to 15 VDC power supply. Additional process connections are available by special order— please contact Global Water regarding this option.

Specifications

Accuracy	±6% full scale
Materials	Body, Paddle, Axle: PVDF NPT (F) Connection: PVC Tubing Connectors: PVDF
Maximum Working Pressure	PVC lens: 130 psig (9 bar) @ 70°F (21°C) PVDF lens: 150 psig (10 bar) @ 70°F (21°C)
Maximum Fluid Temperature	PVC Lens, F/NPT Connectors: 130°F (54°C) @ 0 psi PVDF Lens, tubing connectors: 200°F (93°C) @ 0 psi
Input Power	9 to 28 VDC
Sensor Type	Infra-red light beam
Sensor Output Cable	3-wire shielded cable, 6 ft
Enclosure	Valox® PBT, NEMA type 4X (IP56)
Shipping Weight (Approximate)	1 lb (.45 kg)
Dimensions	5 x 3.5 x 2.22 inch (13 x 9 x 5.5 cm)

Ordering & Options

Order No.	Flow Range (oz./min)	Flow Range (ml/min)	Connection
FS1-100-5V	1 to 10	30 to 300	1/8" NPT(F)
FS1-200-5V	3.5 to 35	100 to 1,000	1/8" NPT(F)
FS1-300-5V	7 to 70	200 to 2,000	1/8" NPT(F)
FS1-400-5V	10 to 100	300 to 3,000	1/8" NPT(F)
FS1-500-5V	17 to 170	500 to 5,000	1/8" NPT(F)
FS1-600-5V	24 to 240	700 to 7,000	1/8" NPT(F)
FS1-100-6V	1 to 10	30 to 300	3/8" OD Tubing
FS1-200-6V	3.5 to 35	100 to 1,000	3/8" OD Tubing
FS1-300-6V	7 to 70	200 to 2,000	3/8" OD Tubing
FS1-400-6V	10 to 100	300 to 3,000	3/8" OD Tubing
FS1-500-6V	17 to 170	500 to 5,000	3/8" OD Tubing
FS1-600-6V	24 to 240	700 to 7,000	3/8" OD Tubing



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