



**Field Environmental
Instruments, Inc.**

MICROFLO PADDLEWHEEL FLOWMETER



Model #	Connection Size	Flow oz/min (Min-Max)	Flow mL/min (Min-Max)
FS1-200-6V	3/8" OD Tubing	3.5 to 5	100 to 1,000

The Micro-Flo Digital Paddlewheel Flowmeter is designed to measure very low flows. The Digital Paddlewheel Flowmeter's chemical resistant wetted materials make it suitable for many chemical feed applications. The Digital Paddlewheel Flowmeter'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. The Digital Paddlewheel Flowmeter's time units are selectable in minutes, hours or days. The Micro-Flo Digital Paddlewheel Flowmeters also feature a volumetric field calibration programming system, which allows the user to fine tune the meter for a particular application. Micro-Flo Digital Paddlewheel Flowmeter's rugged sensor body is constructed of chemically resistant PVDF with a clear PVC window to observe the liquid flow past the impeller.

Paddlewheel Flowmeters Specifications

Accuracy: +/- 6% full scale

Materials

Body, Paddle, Axle material: PVDF

Connector material: NPT(F) connection: PVC, Tubing connectors: PVDF

Max. Working Pressure

PVC lens: 130 psig (9 bar) @ 70 F (21 C)

PVDF lens: 150 psig (10 bar) @ 70 F (21 C)

Max. 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 - 28 VDC

Sensor type: Infra-red light beam

Sensor output cable: 3-wire shielded cable, 6ft

Enclosure: Valox® PBT, NEMA type 4X (IP56)

Approximate shipping wt: 1 lb. (.45 kg)

Dimensions: 5" Long x 3-1/2" Tall x 2.22" (127mm x 89mm x 56.26 mm)

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