Blue-White

DigiFlo Digital Paddlewheel Meters

Industries, Ltd. Engineering and Technical Data

MICRO-FLO

1/4" & 1/8" F/NPT Pipe 1/4" OD & 3/8" OD Tubing

Rate & Total display

On-Sensor or Panel Mounted Display



Features:

- · High accuracy digital paddlewheel technology.
- 1/8" F/NPT, 1/4" F/NPT, 1/4"OD Tubing & 3/8"OD Tubing sizes.
- Flow rates from 30 to 7000 milliliters per minute.
- 4 model variations:
 - FS = Sensor mounted display
 - FP = Panel mounted display (includes 25' cable)
 - FV = No display. Sensor only. 5vdc current sinking output
 - FX = No electronic sensor. Visual indicator only.
- 6 digit LCD, up to 4 decimal positions.
- Displays both rate of flow and total accumulated flow.

- Open collector alarm setpoint.
- User selectable or custom programmable scale factors.

Flow units: Gallons, Liters, Ounces, milliliters Time units: Minutes, Hours, Days

- Volumetric field calibration programming system.
- Non-volatile programming and accumulated flow memory.
- Total reset function can be disabled.
- Clear PVC viewing lens or PVDF chemical resistant lens.
- Weather resistant Valox® PBT enclosure. NEMA 4X
- LCD is not recommended for direct sunlight applications.

Specifications:

Sensor output cable: 3-wire shielded cable, 6ft Enclosure:NEMA type 4X, (IP56)

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

Materials of Construction:

 Viewing lens material option:

Clear see through...... PVC
Opaque chemical resistant...... PVDF

O-ring seals: Viton (Optional EP)

Compression seal to pump:..... PVC

Installation Requirements:

Mounting location

- The meter is designed to withstand outdoor conditions. A cool, dry location, where the unit can be easily serviced is recommended.
- The meter can be mounted on horizontal or vertical runs of pipe. The paddle axle must remain horizontal +/-10°.
- The meter can accurately measure flow from either direction.
- The meter can only be used with fluids that can pass infra-red light.

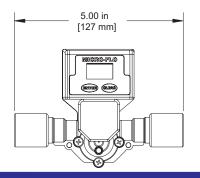


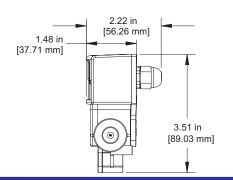
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Dimensions:

 = 200-2000 ml/min = 300-3000 ml/min = 500-5000 ml/min = 700-7000 ml/min





Maximum Temperature vs. Pressure 200°F (93°C) 174°F (79°C) 174°F (79°C) Models with PVDF Leris and connectors 122°F (50°C) 96°F (36°C) Models with PVC Leris or connectors

STATIC PRESSURE PSI (BAR)

Model Number Matrix: METER FUNCTION O-RING SEAL SELECTION FS = Flow rate and Totalizing. On-sensor mounting FP = Flow rate and Totalizing. Remote panel mounting E = EPDM **FV** = Flow sensor only (no display) FX = Flow indicator only (no electronics) **CONNECTOR SELECTION** 4 = .250" OD tubing connection PVDF **POWER SUPPLY.** 5 = .125" Female NPT PVC 1 = Transformer U.S. 115VAC/15VDC 6 = .375" OD tubing connection PVDF 2 = Transformer E.U. 220VAC/15VDC 7 = .250" Female NPT PVC 3 = Transformer U.S. 230VAC/15VDC None = No selection (customer supplied) LENS MATERIAL SELECTION FLOW RANGE SELECTION 0 = Clear PVC 1 = Opaque PVDF **10** = 30-300 ml/min 20 = 100-1000 ml/min

Pipe Size, Flow Range and Model Options:

115V Models with 1/4" F/NPT connections and clear PVC lens

Operating Flow Range		FS Models (Sensor Mount)	FP Models (Panel Mount)	FV Models (Sensor Only)	FX Models (Indicator Only)
OZ/MIN	ML/MIN	Model Number	Model Number	Model Number	Model Number
1 to 10	30 to 300	FS 1-100-7V	FP 1-100-7V	FV 1-100-7V	FX -100-7V
3.5 to 35	100 to 1000	FS 1-200-7V	FP 1-200-7V	FV 1-200-7V	FX -200-7V
7 to 70	200 to 2000	FS1-300-7V	FP 1-300-7V	FV 1-300-7V	FX -300-7V
10 to 100	300 to 3000	FS1-400-7V	FP 1-400-7V	FV 1-400-7V	FX -400-7V
17 to 170	500 to 5000	FS 1-500-7V	FP 1-500-7V	FV 1-500-7V	FX -500-7V
24 to 240	700 to 7000	FS 1-600-7V	FP 1-600-7V	FV 1-600-7V	FX -600-7V

115V Models with 1/8" F/NPT connections and clear PVC lens

Operating Flow Range		Flow Range	FS Models (Sensor Mount)	FP Models (Panel Mount)	FV Models (Sensor Only)	FX Models (Indicator Only)
	OZ/MIN	ML/MIN	Model Number	Model Number	Model Number	Model Number
	1 to 10	30 to 300	FS 1-100-5V	FP 1-100-5V	FV 1-100-5V	FX -100-5V
	3.5 to 35	100 to 1000	FS 1-200-5V	FP 1-200-5V	FV 1-200-5V	FX -200-5V
	7 to 70	200 to 2000	FS1-300-5V	FP1-300-5V	FV 1-300-5V	FX -300-5V
	10 to 100	300 to 3000	FS1-400-5V	FP1-400-5V	FV 1-400-5V	FX -400-5V
	17 to 170	500 to 5000	FS1-500-5V	FP 1-500-5V	FV 1-500-5V	FX -500-5V
	24 to 240	700 to 7000	FS1-600-5V	FP1-600-5V	FV 1-600-5V	FX -600-5V

115V Models with 3/8" OD Tubing connections and clear PVC lens

Operating Flow Range		Flow Range	FS Models (Sensor Mount)	FP Models (Panel Mount)	FV Models (Sensor Only)	FX Models (Indicator Only)
	OZ/MIN	ML/MIN	Model Number	Model Number	Model Number	Model Number
	1 to 10	30 to 300	FS 1-100-6V	FP 1-100-6V	FV 1-100-6V	FX -100-6V
	3.5 to 35	100 to 1000	FS 1-200-6V	FP 1-200-6V	FV 1-200-6V	FX -200-6V
	7 to 70	200 to 2000	FS1-300-6V	FP 1-300-6V	FV 1-300-6V	FX -300-6V
	10 to 100	300 to 3000	FS1-400-6V	FP1-400-6V	FV 1-400-6V	FX -400-6V
	17 to 170	500 to 5000	FS1-500-6V	FP1-500-6V	FV 1-500-6V	FX -500-6V
	24 to 240	700 to 7000	FS1-600-6V	FP1-600-6V	FV 1-600-6V	FX -600-6V

