# Blue-White

## **DigiFlo Digital Paddlewheel Meters**



### Features:

- High accuracy digital paddlewheel technology.
- 1/8", 1/4" or 1/2" NPT, 1/4"OD or 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.

## **Specifications:**

Max. Working Pressure:
<b>PVC lens,</b>
PVDF lens,
Max. Fluid Temperature:
PVC lens, and connectors
PVDF lens, and connectors200° F (93° C) @ 0 PSI
Full scale accuracy +/- 6%

## Materials of Construction:

Body, Paddle, Axle material: ...... PVDF

- Connector material:
  - **1** = .500" ID hose barb, **PVC 2** = .500" Male NPT, **PVC**
  - **3** = .500" Female NPT, **PVC**
  - **4** = .250" OD tubing connection, **Polypropylene**
  - 5 = .125" Female NPT, PVC
  - 6 = .375" OD tubing connection, **PVDF**
  - 7 = .250" Female NPT, PVC

- Open collector alarm set point.
- 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<sup>®</sup> PBT enclosure. NEMA 4X
- LCD is not recommended for direct sunlight applications.

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.

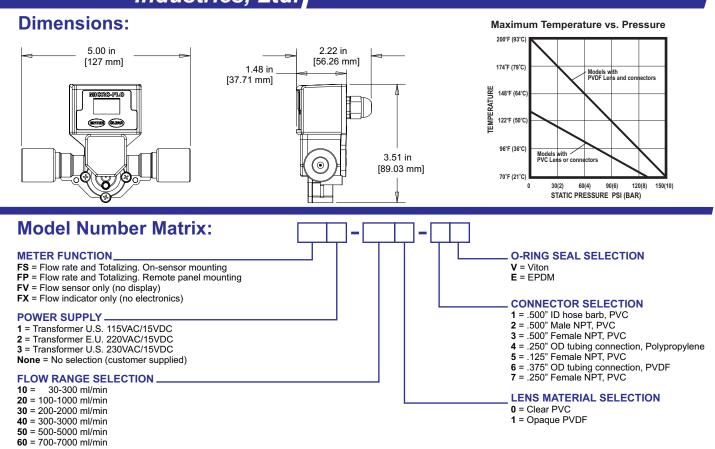
C)

°C)

- 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.



## **DigiFlo Digital Paddlewheel Meters**



## 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	FS1-100-7V	<b>FP</b> 1-100-7V	<b>FV</b> 1-100-7V	<b>FX</b> -100-7V
3.5 to 35	100 to 1000	<b>FS</b> 1-200-7V	<b>FP</b> 1-200-7V	<b>FV</b> 1-200-7V	<b>FX</b> -200-7V
7 to 70	200 to 2000	FS1-300-7V	<b>FP</b> 1-300-7V	<b>FV</b> 1-300-7V	<b>FX</b> -300-7V
10 to 100	300 to 3000	<b>FS</b> 1-400-7V	<b>FP</b> 1-400-7V	<b>FV</b> 1-400-7V	<b>FX</b> -400-7V
17 to 170	500 to 5000	FS1-500-7V	<b>FP</b> 1-500-7V	<b>FV</b> 1-500-7V	<b>FX</b> -500-7V
24 to 240	700 to 7000	<b>FS</b> 1-600-7V	<b>FP</b> 1-600-7V	<b>FV</b> 1-600-7V	<b>FX</b> -600-7V

#### 115V Models with 1/8" 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	FS1-100-5V	<b>FP</b> 1-100-5V	<b>FV</b> 1-100-5V	<b>FX</b> -100-5V
	3.5 to 35	100 to 1000	<b>FS</b> 1-200-5V	FP1-200-5V	<b>FV</b> 1-200-5V	<b>FX</b> -200-5V
	7 to 70	200 to 2000	FS1-300-5V	FP1-300-5V	FV1-300-5V	<b>FX</b> -300-5V
	10 to 100	300 to 3000	FS1-400-5V	<b>FP</b> 1-400-5V	<b>FV</b> 1-400-5V	<b>FX</b> -400-5V
	17 to 170	500 to 5000	FS1-500-5V	<b>FP</b> 1-500-5V	<b>FV</b> 1-500-5V	<b>FX</b> -500-5V
	24 to 240	700 to 7000	FS1-600-5V	<b>FP</b> 1-600-5V	<b>FV</b> 1-600-5V	<b>FX</b> -600-5V

115V Models with 3/8" OD Tubing connections and clear PVC lens						
	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	<b>FS</b> 1-100-6V	<b>FP</b> 1-100-6V	<b>FV</b> 1-100-6V	<b>FX</b> -100-6V	
3.5 to 35	100 to 1000	<b>FS</b> 1-200-6V	<b>FP</b> 1-200-6V	<b>FV</b> 1-200-6V	<b>FX</b> -200-6V	
7 to 70	200 to 2000	FS1-300-6V	FP1-300-6V	FV1-300-6V	<b>FX</b> -300-6V	
10 to 100	300 to 3000	<b>FS</b> 1-400-6V	<b>FP</b> 1-400-6V	<b>FV</b> 1-400-6V	<b>FX</b> -400-6V	
17 to 170	500 to 5000	FS1-500-6V	<b>FP</b> 1-500-6V	<b>FV</b> 1-500-6V	<b>FX</b> -500-6V	
24 to 240	700 to 7000	FS1-600-6V	<b>FP</b> 1-600-6V	<b>FV</b> 1-600-6V	<b>FX</b> -600-6V	



#### Legacy Pumps & Instruments LLC PO Box 426, Mineral Wells, TX 76068-0426

PO Box 426, Mineral Wells, TX 76068-0426 Phone 214-384-5303 or 817- 793-0485 www.legacypumpsllc.com