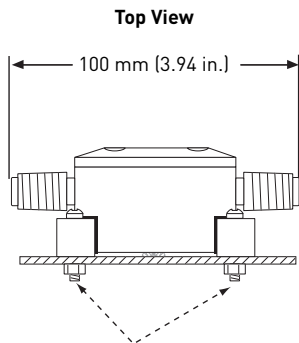
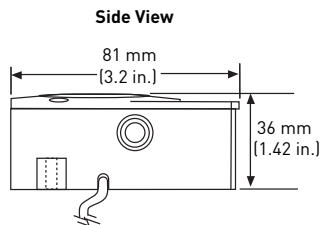


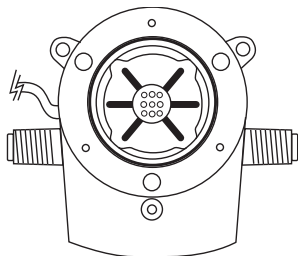
## Dimensions



Mounting tabs for metric M3 or standard #6 screws on 68 mm (2.68 in.) bolt circle



Cover Removed



### Application Tips

- For use in clean fluids - no suspended solids.
- Use the mounting tabs to secure the sensor to a flat surface,  $\pm 30^\circ$ .
- Verify chemical compatibility before installation.

Please refer to **Wiring, Installation, and Accessories** sections for more information.

## Specifications

### General

Operating Range:

- -11 & -12 version:  
0.11 to 2.6 lpm (0.03 to 0.7 U.S. gpm)
- -21 & -22 version:  
1.13 to 12.11 lpm (0.3 to 3.2 U.S. gpm)

Linearity:  $\pm 1.2\%$  of full range

Repeatability:  $\pm 0.5\%$  of full range

Connections:  $\frac{1}{4}$  in. NPT (male) or ISO 7/1 - R1/4 (male)

### Wetted Materials

- Sensor body and cover:  
40% glass filled Polyphenylene Sulfide (PPS)
- Rotor: PEEK™, natural, unfilled
- Cover O-ring: FPM

### Electrical

Power:

5 to 24 VDC  $\pm 10\%$ , regulated, 10 mA max.

Output Type:

Open-collector, sinking, 10 mA max.

Cable Length: 7.6 m (25 ft), can be extended up to 300 m (1000 ft)

Cable Type:

2-conductor twisted pair w/shield, 22 AWG

### Max. Temperature/Pressure Rating

0 °C to 80 °C @ 5.5 bar max.  
 (32 °F to 176 °F @ 80 psi max.)

See Temperature and Pressure Graphs for more information

**Shipping Weight** 0.3 kg 0.7 lb

### Standards and Approvals

- Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management

## Ordering Information

Sensor Part Number		
<b>3-2000</b>	MicroFlow rotor flow sensor	
↓	Flow Range	
	<b>1</b>	Low flow, 0.11 to 2.61 lpm (0.03 to 0.7 gpm)
	<b>2</b>	High flow, 1.13 to 12.11 lpm (0.3 to 3.2 gpm)
	End Fittings	
	<b>1</b>	$\frac{1}{4}$ NPT threads
	<b>2</b>	ISO 7/1-R1/4 threads
<b>3-2000</b>	<b>-1</b>	<b>↓ 1</b> Example Part Number

Mfr. Part No.	Code
3-2000-11	<b>198 822 000</b>
3-2000-12	<b>198 822 001</b>

Mfr. Part No.	Code
3-2000-21	<b>198 822 002</b>
3-2000-22	<b>198 822 003</b>

## Accessories and Replacement Parts

Mfr. Part No.	Code	Description
3-2000.390	<b>159 000 248</b>	Replacement rotor kit
1220-0029	<b>198 820 049</b>	Cover O-ring
2450-0620	<b>198 820 051</b>	Cover screw
5523-0222	<b>159 000 392</b>	Cable (per foot), 2 cond. w/shield, 22 AWG
3-8050-1	<b>159 000 753</b>	Universal junction box