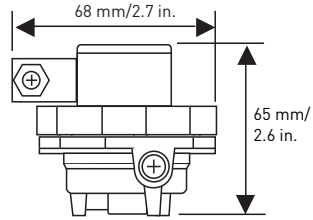
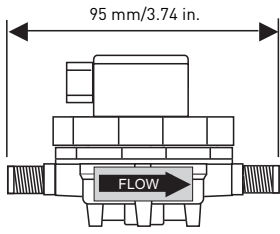
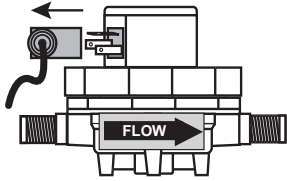


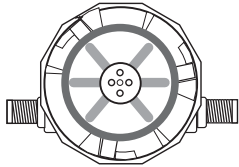
Dimensions



Detachable Signal Connector



Top View
(cover removed)



Application Tips

- Use the threaded ports on bottom of sensor to secure the sensor to any flat surface.
- The range of any sensor can be changed by replacing the flow insert.
- Suitable only for clean fluids without particles.

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

Specifications

General

Operating Range:

- -2V sensor: 400 to 2800 mL/m (0.105 to 0.740 U.S. gpm)
- -3V sensor: 700 to 4200 mL/m (0.185 to 1.123 U.S. gpm)
- -4V sensor: 1300 to 6000 mL/m (0.343 to 1.585 U.S. gpm)
- -6V sensor: 3200 to 12000 mL/m (0.845 to 3.170 U.S. gpm)

Accuracy: $\pm 2\%$ of reading

Repeatability: $\pm 0.25\%$ of full range

Viscosity range: 0.2 to 20.0 centistokes

Connections:

- G 1/4 in. ports, 1/4 in. NPT pipe adapters (2 included)

Wetted Materials

- Housing: PVDF
- Flow insert: PTFE
- Quad ring seal: FPM
- Rotor: PVDF
- Pipe thread adapters: PVDF

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 shielded twisted-pair, 22 AWG

Max. Temperature/Pressure Rating

- 5.5 bar @ -18 °C (80 psi @ 0 °F)
- 5.5 bar @ 24 °C (80 psi @ 75 °F)
- 3 bar @ 120 °C (45 psi @ 248 °F)

See Temperature and Pressure graphs for more information

Shipping Weight 0.115 kg 0.25 lb

Standards and Approvals

- CE
- RoHS compliant
- Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management

Ordering Information

Sensor Part Number		
3-2507.100	Mini Flow low flow sensor with free-running rotor	
↓	Insert Option	
	-2V	With 2 mm insert; for 0.15 to 0.740 gpm (400 to 2800 mL/m)
	-3V	With 3 mm insert, for 0.185 to 1.123 gpm (700 to 4200 mL/m)
	-4V	With 4 mm insert, for 0.343 to 1.585 gpm (1300 to 6000 mL/m)
	-6V	With 6 mm inlet, no insert, for 0.845 to 3.170 gpm (3200 to 12000 mL/m)
↓		
3-2507.100	-2V Example Part Number	

Mfr. Part No.	Code	Mfr. Part No.	Code
3-2507.100-2V	198 801 732	3-2507.100-4V	198 801 734
3-2507.100-3V	198 801 733	3-2507.100-6V	198 801 736

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
3-2507.080-2	198 801 550	Rotor, 2507
3-2507.080-3	198 801 547	Quad ring, 2507
3-2507.080-5	198 801 508	DIN connector, 2507
3-2507.081-2	198 801 502	2 mm insert
3-2507.081-3	198 801 503	3 mm insert
3-2507.081-4	198 801 558	4 mm insert
5523-0222	159 000 392	Cable (per foot), 2 cond. w/shield, 22 AWG