

ECONOMICAL IN-LINE FLOWMETERS

**CAPACITIES: 0.05 to 2.0 GPM of Water,
0.05 to 2.0 GPM of Oil**

FL-2000A



- ✓ ±2% Full Scale Accuracy
- ✓ ±1% Repeatability
- ✓ Mounts in Any Position
- ✓ Good Viscosity Stability
- ✓ Direct Readings for Oil or Water
- ✓ 241.3 bar (3500 psig) Pressure Rating
- ✓ Vertical Connectors for In-Line Mounting
- ✓ Temperature Rating: 116°C (240°F) Standard, 204°C (400°F) Optional
- ✓ For Clear and Opaque Fluids

The FL-2000A Series of general purpose flowmeters is designed to provide economical, accurate flow rate indication for oil and water. These industrial flowmeters utilize a spring-and-piston type assembly, which enables them to be mounted in any position and makes them immune to changes in viscosity. The FL-2000A meters can be used in severe environments, at up to 241.3 bar (3500 psig) and 116°C (240°F). Correlation equations with other fluids, are available in the user's manual.

SPECIFICATIONS

Accuracy: ±2% FS

Repeatability: ±1%

Dimensions: 48 x 43 mm (1.9 x 1.7") for 116°C (240°F) units

Length: 121 mm (4.75") for 116°C (240°F) units; 168 mm (6.6") for 204°C (400°F) units

Maximum Pressure: 241.3 bar (3500 psig)

Maximum Temperature:

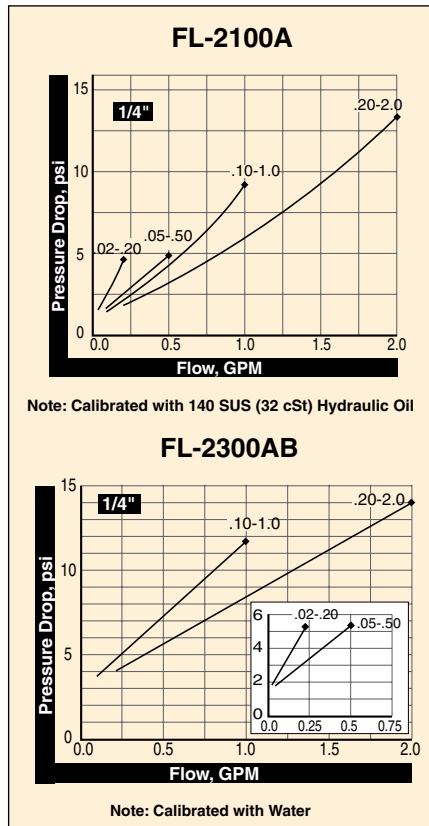
Standard: 116°C (240°F)

Optional: 204°C (400°F) at 124 bar (1800 psig) max

Shipping Weight:

Water Meters: 453 g (1 lb)

Oil Meters: 227 g (8 oz)



Pressure Drop: Approximate pressure losses in flowmeters using oil at normal temperatures. Add 10% to pressure for equal water flows.

Connections: ¼ FNPT

Wetted Parts: Polyphenylene sulfide/ceramic magnet and FKM O-rings; FL-2100A has aluminum body and 302 SS spring; FL-2300ABR has brass body and 302 SS spring



FL-2102A shown smaller than actual size.

To Order

Model No.	Flow Range LPM (GPM)	Medium/Specific Gravity
FL-2100A*	0.2 to 2 (0.05 to 0.5)	Oil/0.876
FL-2101A	0.4 to 4 (0.10 to 1.0)	Oil/0.876 to 2
FL-2102A	0.8 to 7.5 (0.20 to 2.0)	Oil/0.876
FL-2300ABR*	0.2 to 2 (0.05 to 0.5)	Water/1.0
FL-2301ABR	0.4 to 4 (0.10 to 1.0)	Water/1.0
FL-2302ABR	0.8 to 7.5 (0.20 to 2.0)	Water/1.0

Comes complete with operator's manual.

For units with BSPP threads add suffix "-BSPP" to model number, no additional cost.

For 204°C (400°F) units, add suffix "-H" to model number, for additional cost.

* "-H" option not available with these units.

Ordering Examples: FL-2301ABR, for a brass water flowmeter, 1.0 GPM.

FL-2102A, aluminum oil flowmeter, 2.0 GPM.