

ECONOMICAL IN-LINE FLOWMETERS

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

FL-2000A
Starts at

\$156



Optional †

- ±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).

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)

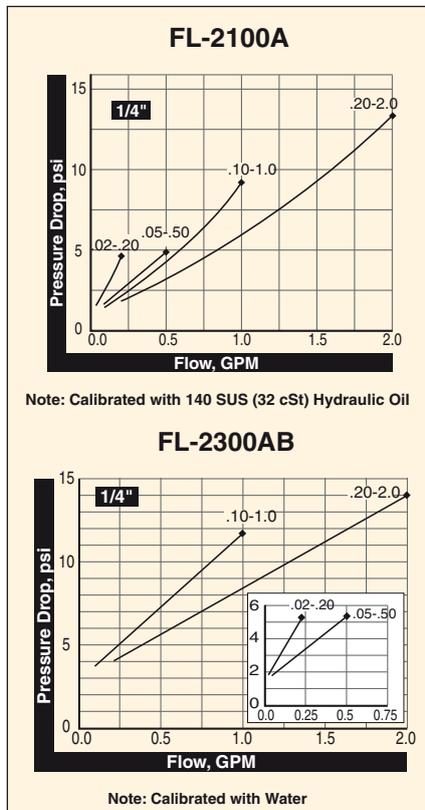
Optional: 204°C (400°F) at 124 bar (1800 psig) max

Shipping Weight:

Water Meters: 453 g (1 lb)

Oil Meters: 227 g (8 oz)

FL-2102A, \$156, shown smaller than actual size.



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



For cutaway drawing of this unit, see page B-7. For correlation equations with other fluids, see page B-8.

**MOST POPULAR
MODELS HIGHLIGHTED!**

To Order (Specify Model Number)

Model No.	Price	Flow Range LPM (GPM)	Medium/Specific Gravity
FL-2100A*	\$156	0.2 to 2 (0.05 to 0.5)	Oil/0.876
FL-2101A	156	0.4 to 4 (0.10 to 1.0)	Oil/0.8760.2 to 2
FL-2102A	156	0.8 to 7.5 (0.20 to 2.0)	Oil/0.876
FL-2300ABR*	189	0.2 to 2 (0.05 to 0.5)	Water/1.0
FL-2301ABR	189	0.4 to 4 (0.10 to 1.0)	Water/1.0
FL-2302ABR	189	0.8 to 7.5 (0.20 to 2.0)	Water/1.0
CH-4617	42.50	Reference Book: Statistics for Petroleum Engineers and Geo Scientists	

Comes complete with operator's manual.

For 204°C (400°F) units, add suffix "-H" to model number and \$150 to price for oil units or \$181 to price for water units.

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

† For NIST certificate, add suffix "-NIST" to model number and \$275 to price.

Ordering Examples: FL-2301ABR, for a brass water flowmeter, 1.0 GPM, \$189.

FL-2102A, aluminum oil flowmeter, 2.0 GPM, \$156.

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• Heaters

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