

ECONOMICAL IN-LINE FLOWMETERS

CAPACITIES: 0.2 to 30 GPM of Water, 0.2 to 30 GPM of Oil

FL-7000A
Starts at
\$285



Optional †

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

The FL-7000A Series of general purpose flowmeters is designed to provide economical, accurate flowrate indication for oil and water. These industrial flowmeters utilize a spring-and-piston type assembly that enables them to be mounted in any position and makes them immune to changes in viscosity. FL-7000A 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%

Connections: ¾ FNPT

Dimensions: 72 x 63 mm (2.85 x 2.48") for 116°C (240°F) units

Length: 181.8 mm (7.16") for all units

Maximum Pressure:

241.3 bar (3500 psig)

Maximum Temperature:

116°C (240°F) standard, 204°C (400°F)

at 124 bar (1800 psig) max, optional

Shipping Weight:

0.9 kg (2 lb) for oil,

1.8 kg (4 lb) for water meters

Viscosity Range:

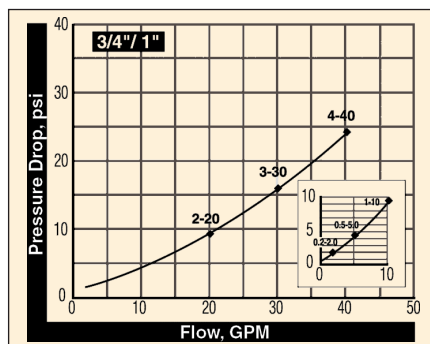
44 to 400 SSU (±5%)

FL-7105A, \$285,
shown actual size.

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



Wetted Parts: Polyphenylene sulfide/ceramic magnet, FKM O-Rings; FL-7100 has aluminum body and 302 SS spring; FL-7300BR has brass body and 302 SS spring



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

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	LPM (GPM)	Flow Range Medium/Specific Gravity
FL-7102A	\$285	0.8 to 7.5 (0.2 to 2)	Oil/0.876
FL-7105A	285	2 to 19 (0.5 to 5)	Oil/0.876
FL-7110A	285	3 to 37 (1.0 to 10)	Oil/0.876
FL-7120A	285	7 to 74 (2.0 to 20)	Oil/0.876
FL-7130A	285	11 to 114 (3.0 to 30)	Oil/0.876
FL-7302ABR	379	0.8 to 7.5 (0.2 to 2)	Water/1.0
FL-7305ABR	379	2 to 19 (0.5 to 5)	Water/1.0
FL-7310ABR	379	3 to 37 (1.0 to 10)	Water/1.0
FL-7320ABR	379	7 to 74 (2.0 to 20)	Water/1.0
FL-7330ABR	379	11 to 114 (3.0 to 30)	Water/1.0
CM-0498	100	Reference Book: Viscous Flows	

Comes complete with operator's manual.

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

For 204°C (400°F) units, add suffix "-H" to model number and \$142 to price of oil units, \$117 to price of water units.

Ordering Examples: FL-7320ABR, brass water flowmeter, 2 to 20 GPM flow range, \$379.

FL-7120A-H, 204°C (400°F) oil flowmeter, 2 to 20 GPM flow rate, \$285 + 142 = \$427.

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