PANEL-MOUNT FLOWMETERS

FL50000A Series

1 YEAR WARRANTY · **NIST** Optional · **RoHS**

✔ **Direct-Reading Scales**
✔ **Solid One-Piece Acrylic Body**
✔ **GPM and LPM Scales**
✔ **Panel Mount**

TRODEX® FL50000A Series flowmeters feature a rugged, one-piece acrylic body, stainless steel internal parts, rear inlet and outlet ports for panel mounting, and excellent accuracy. The stainless steel float guide helps reduce float oscillation and improve overall performance. Permanent screen-printed scales are positioned directly in front of the float for easy reading. For greater versatility and control, FL5000A Series meters may be ordered with an integral flow adjustment valve.

SPECIFICATIONS
Accuracy: ±5% of FS
Meter Body Construction: Machined acrylic
O-Ring Material: FKM
Float: 316 SS
Lock Nut: Polypropylene
Temperature Limits: 48°C (120°F) at 0 psi (¾ and 1 MNPT units) 93°C (200°F) at 0 psi (¼, ½ and ⅜ MNPT units)
Pressure Limits: 120 psi at 21°C (70°F) (¾ and 1 MNPT units) 250 psig at 21°C (70°F) (¼, ½ and ⅜ MNPT units)
Pressure Drop: 2 psi max
Adaptor: ¼ and 1" are PVC, all others are glass-filled polypropylene
Dimensions Without Valve (Center to Center x Overall Height x Width):
  FL50001: 143 x 191 x 25 mm (5⅝ x 7¼ x ¹¹⁄₁₆")
  FL50002 to FL50004: 165 x 227 x 32 mm (6½ x 8⅜ x 1⁹⁄₃₂")
  FL50005: 165 x 229 x 38 mm (6½ x 9 x 1½")
  FL50006 to FL50007: 203 x 276 x 44 mm (8 x 10⅝ x 1¾")

FL50004A shown smaller than actual size

To Order

| | Water Units | | | Air Units | | |
| Model No. | Range | | Pressure Drop bar (psi) | Model No. | Ranges SCFM | Fittings MNPT |
	GPM	LPM				
FL50001A	0.025 to 0.25	0.1 to 1	0.008 (0.12)	**FL50251A**	0.1 to 1.2	¼
FL50002A	0.1 to 1	0.4 to 4	0.02 (0.3)	**FL50252A**	0.5 to 4.5	⅜
FL50003A	0.2 to 2	0.75 to 7.5	0.02 (0.3)	**FL50253A**	1 to 7	⅜
FL50004A	0.5 to 5	2 to 20	0.1 (1.5)	**FL50254A**	2 to 20	½
FL50005A	1 to 10	4 to 40	0.1 (1.5)	**FL50255A**	4 to 45	¾
FL50007A	2 to 20	7.5 to 75	0.1 (1.5)	–	–	1

Comes complete with operator's manual.
*Add suffix "**-V**" to model number for adjustable CPVC valve, for additional cost.*
*For 5-point NIST calibration add suffix "**-NIST**" to model number, for additional cost.*
***Ordering Examples: FL50002A,** meter with 0.1 to 1.0 GPM, 0.4 to 4 LPM ranges.*
FL-50251A, 1 to 1.2 SCFM air-flow range.