APT Instruments



FLOWMETER-VARIABLE AREA

FM80

New Low Cost Direct Reading Flowmeters

New economical flowmeters provide visual indication of flow with a direct reading scale. Eliminate correlation charts and lookup tables. Dual flow scale in GPM and LPM for liquid flowmeters. SCFM scales for air flow meters. Quik Loc (half union) connectors. Mount flowmeters vertically in the pipe system.

Select from models with and without flow control valves. Control valve models have 90° elbow connections and MPT threads for panel mounting. Chemical resistant polysulfone body and connectors with a SS float and guide rod. One year warranty.

SPECIAL FEATURES

Direct reading scales for liquid or air Available with and without control valves Panel or rack mount All plastic body with 316SS float

APPLICATIONS

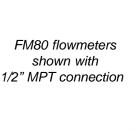
Cooling Systems
Maintenance
Pilot plants
Monitoring Systems

FM80 Ordering Information

Flow Range Liquid Flowmeters	Part No. w/o valve 3/8"NPT(F)	<u>Part No.</u> w/o valve 1/2"MPT	Part No. with valve 1/2"MPT
0.4 to 4.0 LPM (0.1 to 1 GPM)	FM80.001	FM80.011	FM80.111
0.75 to 7.5 LPM (0.2 to 2.0 GPM)	FM80.002	FM80.012	FM80.112
1.8 to 18 LPM (0.5 to 5.0 GPM)	FM80.003	FM80.013	FM80.113
Air Flowmeters	w/o valve 3/8"npt(f)	w/o valve 1/2"mpt	with valve 1/2"mpt
1 to 12 SCFM	FM80.005	FM80.015	FM80.115

Direct Reading of flow rate1

Control valve option!





SPECIFICATIONS

Measurement Range: See ordering table
Display/Resolution: varies 10:1 to 20:1
Accuracy: ±5% full scale
Sensor: quided float

Max. Fluid Temp.: 100°C (212°F) @ 0 pressure
Max. Fluid Pressure: 150 psig (10.3 bar) @ 21°C (70°F)

Max. Pressure Drop: 2 psig (140 mbar)
Max. Fluid Debris Size: 50 microns

Connections: 3/8"NPT(F), 1/2"MPT (with valve) 1/2" MPT, 8.62" centerline Wetted parts: Polysulfone, Viton, 316SS

Output: none

Dimension $\{L \times W \times D\}$ (without valve) 225 x 51 x 51 mm (8.87 x2 x 2 in.)

(with valve) 250 x 51 x 102 mm (9.87 x 2 x 4 in.)

Weight: approx. 113 g (4 oz)
Shipping Wt: approx. 0.45 kg (1 lbs)

For more information contact: