

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

**Direct Reading of flow rate<sup>1</sup>**

**Control valve option!**

FM80 flowmeters shown with 1/2" MPT connection



#### SPECIFICATIONS

**Measurement Range:** See ordering table  
**Display/Resolution:** varies 10:1 to 20:1  
**Accuracy:** ±5% full scale  
**Sensor:** guided 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)  
**Wetted parts:** Polysulfone, Viton, 316SS  
**Output:** none  
**Dimensions(L x W x D):**  
 (without valve) 225 x 51 x 51 mm (8.87 x 2 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:**  
**APT Instruments**  
**P.O. Box 317, Rochester, IL 62563 USA**  
**877.324.5444 Toll-free**  
**217.498.0342 \* 217.498.0352Fx**  
**www.aptinstruments.com**  
**sales@aptinstruments.com**