



FI-1000 WALL MOUNTED METER

DESCRIPTION

The **FI-1000** is a wall mounted meter consisting of a dual scaled, diaphragm-actuate, differential pressure gauge, mounted in a 16 gage aluminum panel. The meter is complete with internal tubing, identification data label; and ¼ inch compression bulkhead connection fittings suitable for use with hardwall or thermoplastic tubing.

The **FI-1000** indicating meter scales are custom made to match the operating conditions of the airflow or pressure-sensing element being served. The two scales for airflow indication are volume and velocity; the scale for pressure is differential. All scales are available in both English and SI engineering units.

The **FI-1000** is connected directly to the airflow or pressure sensing element(s), thereby providing the user with *continuous, direct, and independent* indication of the process being measured.

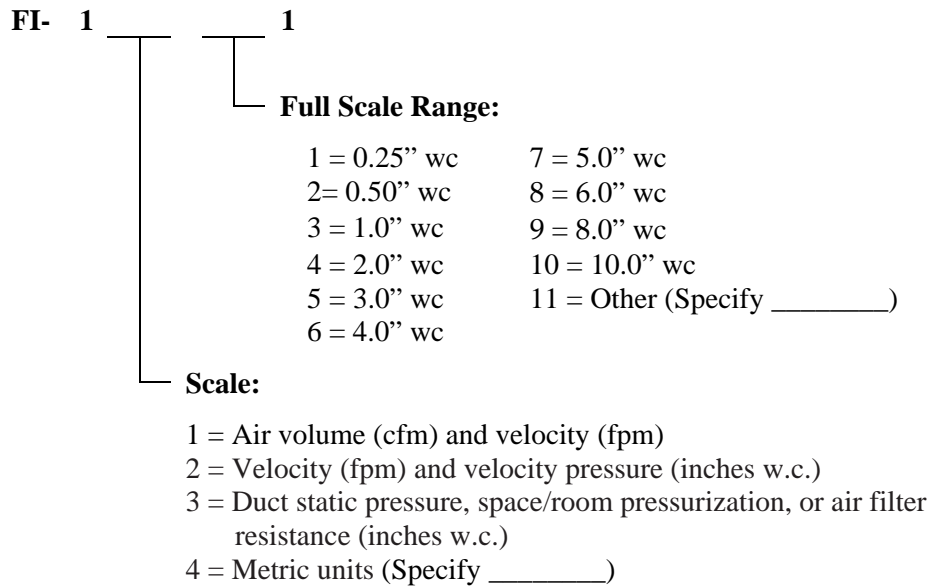
Features

- Dual scaled, diaphragm-actuate, differential pressure gauge
- $\pm 3\%$ accuracy of full scale at 70°F; $\pm 4\%$ for meters with 0.25 inch w.c. full scale
- Can be operated continuously in temperature ranges of 20°F to 140°F; low temperature meter are optionally available
- Available in 10 full scale ranges
- Available in six scales including; volume and velocity, velocity and velocity pressure, duct static pressure, space/room pressurization, and air filter resistance
- Available in both English and SI engineering units

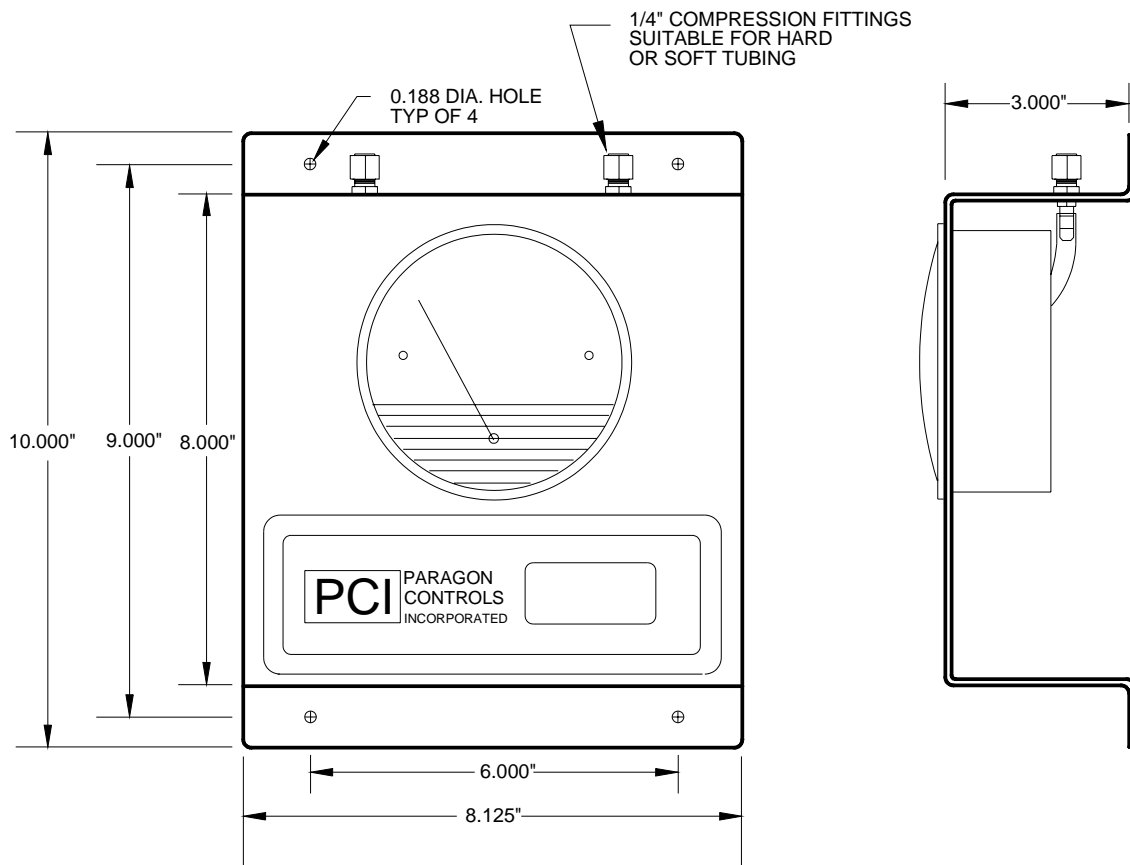
FI-1000 Technical Specifications

1. **Accuracy**
±3 % of full scale at 70°F; ±4% for meters with 0.25 inch w.c. full scale
2. **Temperature Range**
20°F to 140°F; low temperature meters are available as an option
3. **Rated Differential Pressure**
-10 to 15 psig
4. **Available Ranges (Full Scale Values)**
0.25, 0.50, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, and 10.0 inches w.c.
5. **Available Scales**
 - Air volume (cfm) and velocity (fpm)
 - Velocity (fpm) and velocity pressure (inches w.c.)
 - Duct static pressure (inches w.c.)
 - Space/room pressurization (inches w.c.)
 - Air filter resistance (inches w.c.)
 - All of the above scales are available in metric units (Kp, L/S, etc.)

FI-1000 Ordering Information



FI-1000 Dimensions



FI-1000 Specification Guide

Independent Indicating Meters

1. Provide a wall mounted indicating meter for each [airflow] [pressure] measuring point. The meter shall be diaphragm actuated, and include [dual scales indicating both air volume and velocity] [dual scales indicating velocity and velocity pressure] [single scale indicating duct static pressure] [single scale indicating space/room pressurization] [single scale indicating air filter resistance (inches w.c.)].
2. The indicating scales shall be corrected for a given elevation, temperature, and area factor.
3. The wall mounted indicating meters shall be Model FI-1000 as manufactured by Paragon Controls Incorporated; [or approved equal].