



FI-2000 PORTABLE METER

DESCRIPTION

The **FI-2000** is a portable meter consisting of a dual scaled, diaphragm-actuated, differential pressure gauge mounted in a lightweight aluminum enclosure with carrying handle. The portable meter comes with two ten-foot lengths of ¼ inch O.D. plastic tubing.

The **FI-2000** 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-2000** can be 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 meters 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-2000 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-2000 Ordering Information

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Full Scale Range:

1 = 0.25" wc	7 = 5.0" wc
2 = 0.50" wc	8 = 6.0" wc
3 = 1.0" wc	9 = 8.0" wc
4 = 2.0" wc	10 = 10.0" wc
5 = 3.0" wc	11 = Other (Specify _____)
6 = 4.0" wc	

Scale:

- 1 = Air volume (cfm) and velocity (fpm)
- 2 = Velocity (fpm) and velocity pressure (inches w.c.)
- 3 = Duct static pressure, space/room pressurization, or air filter resistance (inches w.c.)
- 4 = Metric units (Specify _____)

FI-2000 Dimensions

