



FI-3000 CENTRAL READOUT CENTER

DESCRIPTION

The **FI-3000** wall mounted central readout center consists of multiple dual scaled, diaphragm actuated, differential pressure gauges that are pre-mounted and tubed to convenient bulkhead compression fittings that will accommodate either hardwall or thermoplastic tubing. The enclosure is rated NEMA 12, and is constructed of 16 gage steel with a textured beige polyester powder coating inside and out. Each indicating meter is provided with a dual scale displaying cfm/fpm for air volume, and single scale displaying inches w.c. for differential pressure applications. The indicating scale can also be customized to meet any design requirement that may be required. Each indicating meter has an individual engraved label stating tag number, primary elements served, and operating design values.

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
- NEMA 12 enclosure

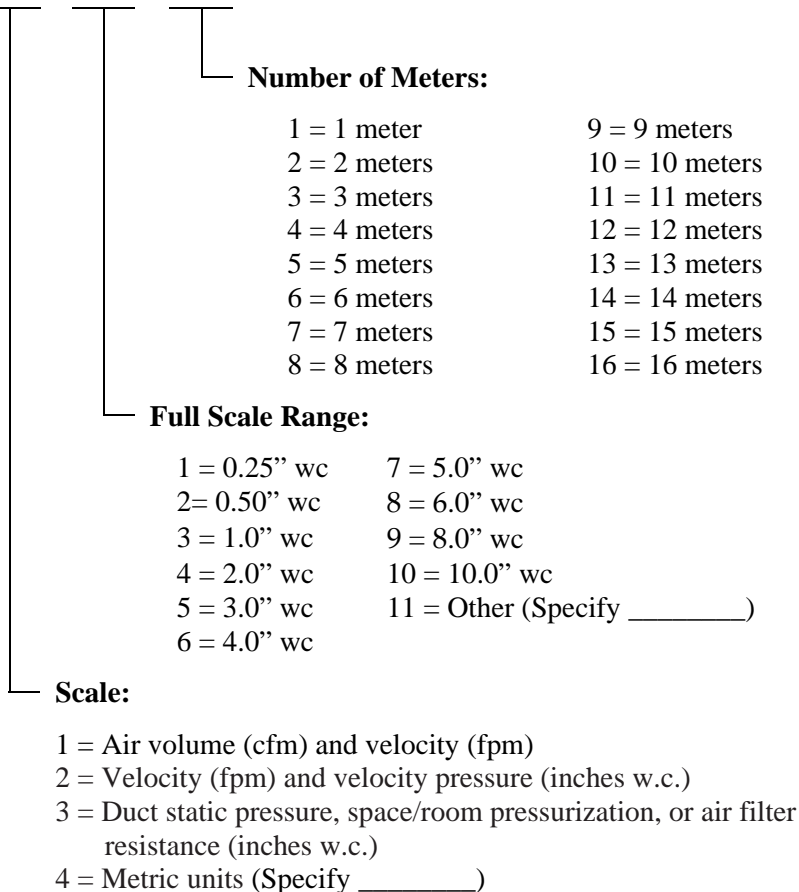


FI-3000 Technical Specifications

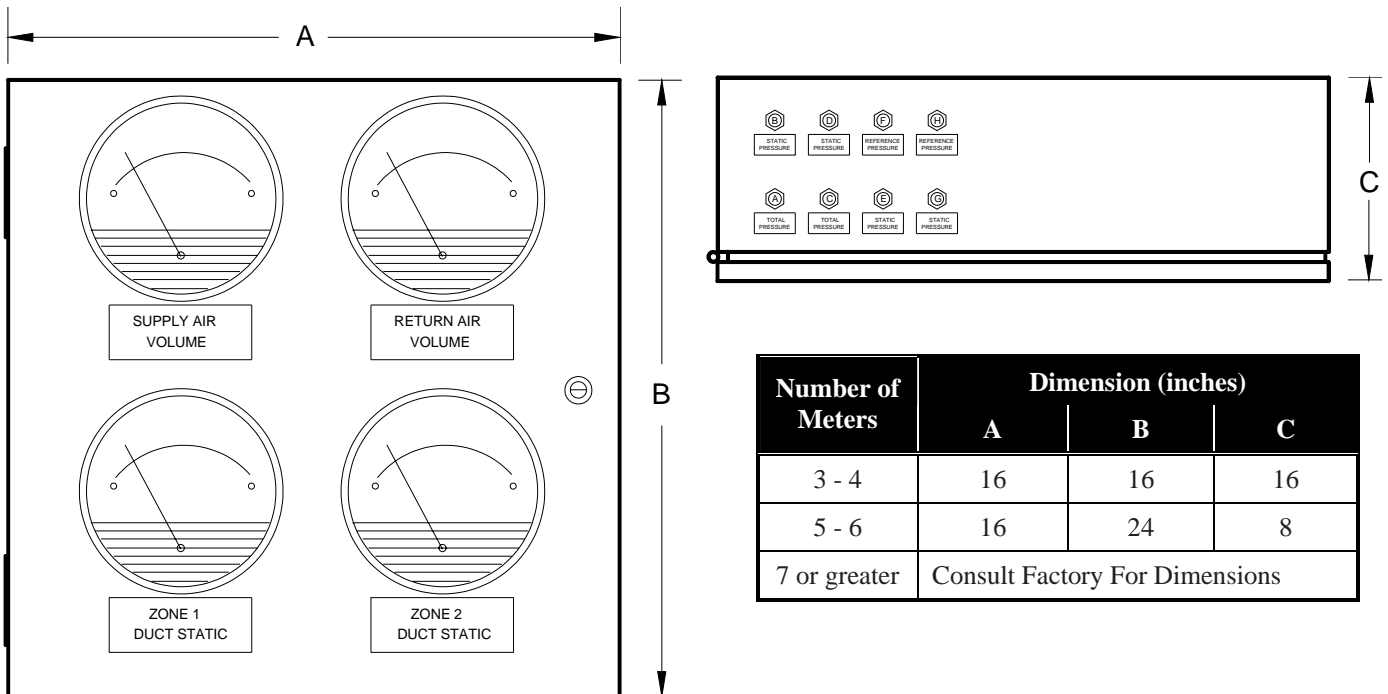
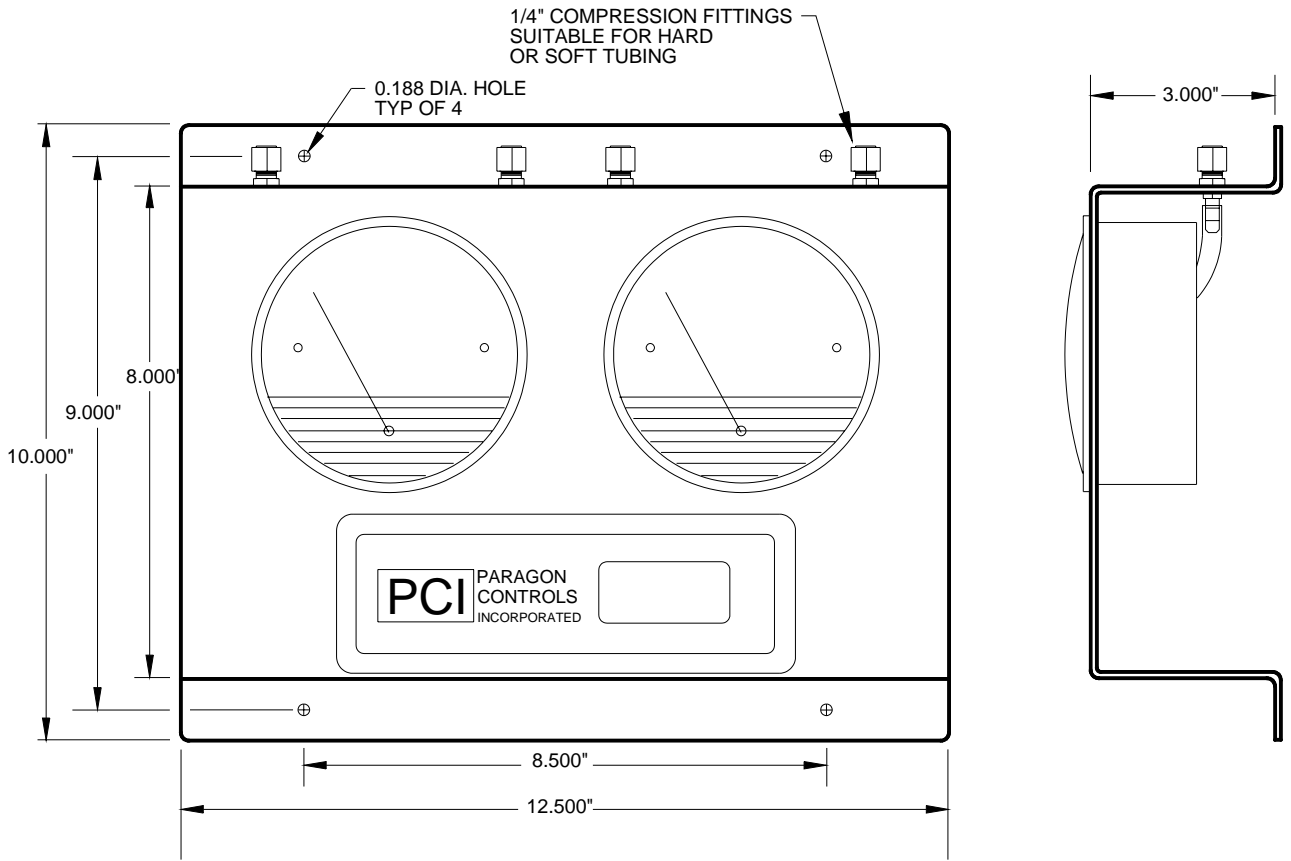
- 1. Accuracy**
±3 % of full scale at 70°F; ±4% for meters with 0.25 inch w.c. full scale
- 2. Temperature Range**
20°F to 140°F; low temperature meters are available as an option
- 3. Rated Differential Pressure**
-10 to 15 psig
- 4. Available Ranges (Full Scale Values)**
0.25, 0.50, 1.0, 2.0, 3.0, 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-3000 Ordering Information

FI- 3



FI-3000 Dimensions



FI-3000 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-3000 as manufactured by Paragon Controls Incorporated; [or approved equal].