

Series
400

Air Velocity Meters



Model 400-10 Air Velocity Meter

Measure both pressure and air velocity

Read the red figures directly in feet per minute of velocity — from 400 to 10,000 f.p.m. No conversion tables needed for air at standard conditions. Read the black figures in inches of water column air pressure — from 0 to 10" w.c.

Our most popular precision air velocity instrument, the Series 400 is used to balance air conditioning systems, measure pressure drop across filters, and test fan and blower discharge and inlet pressures, as well as air velocity in ducts. It offers the convenience of a dual purpose instrument — plus high accuracy on easy-to-read scales. A versatile, all around manometer for the air conditioning and balancing contractor or industrial plant.

Kit includes Series 400 Air Meter and all accessories:

Combination Inclined/Vertical Manometer — 3 models (see table). Dwyer® Durablock® precision machined solid acrylic plastic construction is virtually indestructible. Has both inclined section for high accuracy and vertical section for extended range. Pressure marked in black, Velocity in red figures. Easy to read — no reference tables needed. Has screw leveling adjustment and ground glass bubble level.

| Series 400 Air Velocity Meters with Combination Inclined/Vertical Scales Rated for total pressures to 100 psig (6.89 bar); temperatures to 150°F (65°C) | | | | | |
|--|----------------|--------------|-----------------------------|----------------|------------|
| Model Number | Range in. w.c. | Velocity FPM | Minor Div.; Range, in. w.c. | | Pitot Tube |
| | | | Inclined Scale | Vertical Scale | |
| 400-5-S-Kit | 0-5 | 400-9000 | .01, 0-1.0 | .10, 1-5 | 8 in. |
| 400-5-L-Kit | 0-5 | 400-9000 | .01, 0-1.0 | .10, 1-5 | 18 in. |
| 400-5-gage | 0-5 | 400-9000 | .01, 0-1.0 | .10, 1-5 | none |
| 400-10-Kit | 0-10 | 400-12,600 | .01, 0-1.0 | .10, 1-10 | 18 in. |
| 400-10-gage | 0-10 | 400-12,600 | .01, 0-1.0 | .10, 1-10 | none |
| 400-23-Kit | 0-23 | 400-19,200 | .02, 0-2.3 | .20, 2.3-23 | 18 in. |
| 400-23-gage | 0-23 | 400-19,200 | .02, 0-2.3 | .20, 2.3-23 | none |

Accessories:

Stainless Steel Calibrated Pitot Tube — (18" Model 160-18 standard, other lengths available — see price list). Graduated both sides in inches to show insertion depth for easy accurate duct traverse. Clean, burr-free static holes. Suitable for temperatures up to 1500°F.

Rubber Tubing with Connectors — Two coils of 3/16" with metal terminal tubes.

Magneclip side mountings. Attach meter instantly to steel duct or surface.

Red Gage Oil—Spare bottle. For occasional refilling. Supply sufficient for several years of normal use. (Blue Gage Oil furnished with Model 400-23).

Instruction Card — Easy to read and understand. Plastic laminated, wipes clean.

Dwyer® Air Velocity Calculator — Slide rule eliminates tedious calculations — easily compensates for temperature, humidity and barometric pressure variations.

Steel Carrying Case — Professional quality. Welded seams, enamel finish. Hinged top locks with hasps. Foam plastic lined and fitted to protect meter and accessories.

Size* 11 1/2"H x 20 1/4"W x 1 1/2"D.
Only 13 1/4 lbs. with equipment .

*Model 400-5-S is 11 x 11½ x 2½". Contact factory for extra long steel cases for use with longer Pitot tubes.



Complete Kit, Model 400-10

Left — Model 400-5 Air Meter, 0-5" W.C., 400-9000 f.p.m.