Designed to measure air velocity, static pressure, vacuum or differential pressure, where the additional range of the 400 Series gages is not required. Series 100 Gages offer superb accuracy combined with portability. Dwyer’s® Durablock® precision machined solid acrylic plastic construction, the wells and inclined bore are machined to tolerances of ±.0002”.

Design and service features:
- **Plastic Body** — A 1” thick solid acrylic block, virtually unbreakable. It is stable and free of the danger of distortion.
- **Drilled Bore** — Permanently free of bends — never requires recalibration due to distortion.
- **Reflective Chrome Finish Scales** — Easily eliminate parallax errors in reading.
- **Adjustable, with thumbscrew locking for easy zeroing. (Model 125 AV uses screw plunger to adjust zero setting).**
- **Red Gage Fluid** — .826 specific gravity. Forms a well-shaped, easy-to-read meniscus — the result of high wetability.
- **Leveling Adjustment** — Screw allows quick, accurate leveling. Integral ground glass bubble level provides ready reference.

Complete Air Velocity Kits include:
- Dwyer® Inclined Manometer described above,
- stainless steel Pitot tube (12” with Models 102-AV & 115-AV),
- two 9´ lengths of rubber tubing with connectors,
- extra red gage fluid,
- instruction card H-7, Bulletin H-11, magnetic mounting clips, air velocity calculator slide rule and carrying case.

### Model 102-AV & 115-AV

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, Inches of Water</th>
<th>Velocity, Feet per Minute</th>
<th>Minor Scale Divisions</th>
<th>Scale Length</th>
<th>Dimensions, in Inches</th>
<th>Pilot Tube Model/L.</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-AV</td>
<td>20-0-2.0</td>
<td>400-5500</td>
<td>.0175</td>
<td>6”</td>
<td>11-1/2</td>
<td>166-12 12”</td>
</tr>
<tr>
<td>115-AV</td>
<td>50-0-25</td>
<td>400-2000</td>
<td>.005</td>
<td>6”</td>
<td>9-1/2</td>
<td>166-12 12”</td>
</tr>
</tbody>
</table>

### Model 102-AV & 115-AV

<table>
<thead>
<tr>
<th>Carrying Case Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-1/2 X10 X 2-1/2</td>
</tr>
<tr>
<td>13-1/2 X10 X 2-1/2</td>
</tr>
</tbody>
</table>

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### Series Mark II

**Molded Plastic Air Velocity Meters**

Low in Cost — Direct Reading Scales Offer 3% Accuracy —

For Portable or Stationary Applications

Model 27

**Model 40-AV — Shown with standard swing-out stand and leveling screw installed.**

### Construction and installation features:

Construction is simple with virtually indestructible molded white styrene-acrylonitrile housing, indicating tube and fluid wells, molded ABS knobs and zero adjust plunger, shock mounted glass level vial and leak proof O-ring seals. Scales are lithograph printed on aluminum and epoxy coated.

For stationary applications, the Mark II air velocity meters can be easily mounted on any vertical surface with the two screws provided. A built in spirit level simplifies leveling. Just fill the reservoir, adjust fluid level to zero, connect the pitot tube, and it is ready for operation. For portable applications, the Model A-612 portable stand is available for Models 27 and 28.

A molded plastic swing-out stand and leveling screw for user-installation are provided with the Model 40-AV which also features rapid shutoff tubing connectors and built-in over pressure traps.

Additional standard accessories include plastic connection tubing, mounting screws, 3/4 oz. bottle of indicating fluid and instructions. Metric ranges are also available.

### ACCESSORY

A-612, Portable Stand (for models 27, 28)

**OEM Specials** — All models of the Dwyer® Mark II molded plastic air velocity meters can be supplied with your logo or special scale in OEM quantities. Consult factory for details.

See also our Digital Manometers and Pitot tubes.

**CONTACT US**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>U.K.</th>
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<td>+852-23181007</td>
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