



Series
100 AV

Durablock® Air Velocity Gage Kits

Suitable for Total Pressures to 100 psig (6.89 bar), Temperatures to 150°F (65.6°C)

Air Velocity



Complete Kit, Model 115-AV

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. In Dwyer's Durablock® precision machined solid acrylic plastic construction, the wells and inclined bore are machined to tolerances of ± 0.0002 ".

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 Oil – .826 specific gravity. Forms a well-shaped, easy-to-read meniscus – the result of high wettability.

Leveling Adjustment – Screw allows quick, accurate leveling. Integral ground glass bubble level provides ready reference.

Standard Equipment for Dwyer Solid Plastic Portable Manometers

Magneclips for Instant Mounting on Any Steel Surface – These mounting magnets are supplied as part of each Dwyer Durablock® solid plastic portable gage. Just touch magnets to any vertical steel surface – gage "stays put" until manually detached.

Molded Nylon Rapid Shut-Off Tubing Connectors – An exclusive Dwyer feature. Leakproof, corrosion-proof, virtually unbreakable. Requires just one turn to open or close. O-rings prevent leaks and provide positive shut-off. Body is easily removed to add fluid or to clean.

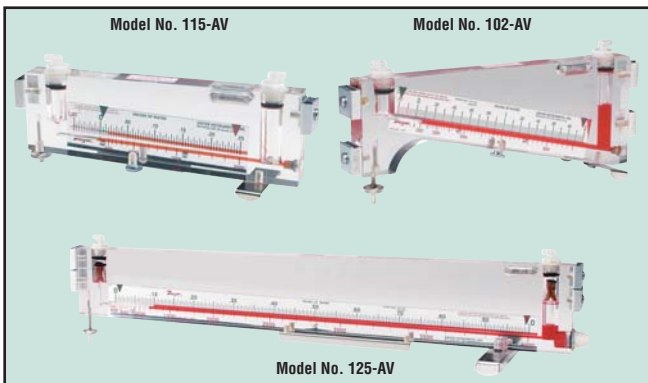
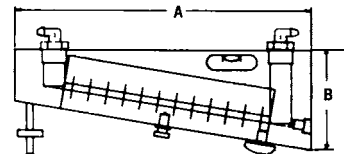
Complete Air Velocity Kits include:

Dwyer Inclined Manometer described below, stainless steel Pitot tube (12" with Models 102-AV & 115-AV, 24" with Model 125-AV and telescoping 36" with Model 115T-AV), two 9' lengths of rubber tubing with connectors, extra red gage oil, instruction card H-7, Bulletin H-11, magnetic mounting clips (see bottom of page), air velocity calculator slide rule and carrying case (plastic with models 102-AV, 115-AV and 115T-AV, steel with model 125-AV).

MODELS

Model No.	Range, Inches of Water	Velocity, Feet per Minute	Minor Scale Divisions	Scale Length	Dimensions, In Inches		Pitot Tube Model-Length
					A	B	
102-AV	.20-0-2.0	400-5500	.02	8 3/4 in.	11 1/2	4 3/4	166-12 12 in.
115-AV	.05-0-.25	400-2000	.005	6 in.	9 3/4	3 3/4	166-12 12 in.
115T-AV	.05-0-.25	400-2000	.005	6 in.	9 3/4	3 3/4	166T 36 in.
125-AV	0-1.0	300-4000	.005	20 in.	23 3/4	4	160-24 24 in.

Model No.	Carrying Case Dimensions
102-AV	13 1/2 X 10 X 2 1/2
115-AV	13 1/2 X 10 X 2 1/2
115T-AV	13 1/2 X 10 X 2 1/2
125-AV	9 X 26 X 1 1/2



Dwyer Air Velocity Calculator – Slide rule easily calculates air velocity and compensates for temperature and pressure variations. Shows velocity pressure from .01" to 10" water column, velocities from 400 to 20,000 f.p.m., etc. Furnished as a standard accessory with all Dwyer Durablock® solid plastic air velocity gages.

Foam-Lined Carrying Cases – Most Dwyer portable air velocity gages are furnished with cases of high density polyethylene. Model No. 125-AV has a steel case. Cases have a resilient polyurethane plastic foam lining to protect and cushion gage and accessories.

