



Handheld Digital Manometer

Measures Pressure, Flow and Velocity; $\pm 0.5\%$ Accuracy

Models Select Chart

EXAMPLE	477AV 2		NIST	477AV-2-NIST, 477AV Differential Pressure Manometer w/ AV and Flow, 40" w.c./10 kPa Range, NIST Calibrated
RANGE		000 00 0 1 2 3 4 5 6 7 8		1" w.c. / 0.249 kPa 4" w.c. / 0.995 kPa 10" w.c. / 2.49 kPa 20" w.c. / 5 kPa 40" w.c. / 10 kPa 200" w.c. / 50 kPa 10 psi / 70 kPa 20 psi / 140 kPa 30 psi / 200 kPa 100 psi / 700 kPa 150 psi / 1000 kPa
OPTIONS			COC FC NIST	Certificate of Calibration Factory Calibration Certificate NIST Traceable Calibration Certificate

Accessories

Model	Description
166T	Telescoping pitot tube
A-201	Rubber latex tubing has less tendency to kink in storage and occupies less space, thus is best for portable work. 3/16" ID, 9' length.
A-303	Portable static pressure tip, for 3/16" ID rubber or plastic tubing with 4" insertion.
A-375	Compression fitting connections, 1/8" tube to 1/8" NPT male.
A-397	Rugged step drill, quickly provides true round holes in thin materials, no center punch needed to start, automatically de-burrs drilled hole, high speed steel, drills 3/16" through 1/2" holes in 1/16" increments.
A-463	Plastic carrying case with foam liner for 475-1-AV air

	velocity kit - 13-1/2" x 10" x 2-3/8".
A-472T	475-T AV telescoping pitot tube air velocity kit less manometer.
A-402A	Carrying case for most manometers; tough, gray nylon pouch, double zippered with belt loop
A-47X-BOOT	Rubber boot for manometers (manometer not included).
UHH-C1	Soft carrying case

Specifications:-		
Service	:	Air and compatible gases.
Wetted Materials	:	Consult factory.
Accuracy	:	±0.5% FS, 60 to 78°F (15.6 to 25.6°C); ±1.5% FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40.0°C).
Pressure Hysteresis	:	±0.1% of full scale.
Pressure Limits	:	See chart on catalog page.
Temperature Limits	:	0 to 140°F (-17.8 to 60°C).
Compensated Temperature Limits	:	32 to 104°F (0 to 40°C).
Storage Temperature Limits	:	-4 to 176°F (-20 to 80°C).
Display	:	0.42" (10.6 mm) 4 digit LCD.
Resolution	:	See chart on catalog page.
Units of Pressure	:	in w.c., ft. w.c., in Hg, psi, oz/in ² , mm w.c., cm w.c., mm Hg, mbar, Pa, kPa, hPa.
Units of Velocity	:	fpm, fps, mph, m/h, m/s, k/h, knot.
Units of Flow	:	cfm, m ³ /h, m ³ /s.
Power Requirements	:	9 V Alkaline battery, installed non-functional, user replaceable.
Weight	:	10.2 oz (289 g).
Process Connections	:	Two barbed connections for use with 1/8" (3.18 mm) or 3/16" (4.76 mm) ID tubing. Two compression fittings for use with 1/8" (3.18 mm) ID x 1/4" (6.35 mm) OD tubing for 477AV-7 and 477AV-8 only.
Agency Approvals	:	CE.