



The **SERIES 477B** Handheld Digital Manometers are versatile, hand-held, battery operated manometers available in several basic ranges from 0-20 in w.c. up to 100 psi. All models measure either positive, negative or differential pressures with $\pm 0.10\%$ of full scale accuracy. You can select from up to seven common English and metric pressure units so conversions are not necessary. A memory function allows storage of up to 40 readings for later recall and a backlight provides auxiliary lighting for hard-to-see locations. Also standard are a hold feature plus both visual and audible overpressure alarms.

FEATURES/BENEFITS

- Precise 0.1% FS accuracy provides four times better accuracy than most standard manometer/gages
- Aluminum housing protects instrument against damage
- 40 readings in internal memory reduces time to record data

APPLICATIONS

- Lab calibration of other pressure instruments
- Air velocity/air flow measurements in commercial buildings

SPECIFICATIONS

Service: Air and compatible gases.

Wetted Parts: Consult factory.

Accuracy: $\pm 0.10\%$ FS from 60 to 78°F (15.6 to 25.6°C); $\pm 1\%$ FS from 32 to 60 and 78 to 104°F (0 to 15.6 and 25.6 to 40°C).

Pressure Hysteresis: $\pm 0.1\%$ FS.

Pressure Limits: See chart.

Temperature Limits: 0 to 140°F (-17.8 to 60°C).

Storage Temperature Limits: -4 to 176°F (-20 to 80°C).

Display: 4-digit LCD (.425" H x .234" W digits).

Resolution: See chart.

Power Requirements: 9 volt alkaline battery. Battery included but not connected.

Connections: Two barbed connections for use with 1/8" (3.18 mm) or 3/16" (4.76 mm) I.D. tubing for 477B-1, 477B-2, 477B-3, 477B-4 and 477B-5 only. Two compression fittings for use with 1/8" (3.18 mm) I.D. x 1/4" (6.35 mm) O.D. tubing for 477B-6 and 477B-7 only.

Weight: 10.2 oz. (289 g).

Agency Approvals: CE.

MODEL CHART

		Available Pressure Units									Maximum Pressure	
Model	Range	bar	psi	in Hg	kPa	in w.c.	mm Hg	mbar	ft w.c.	mm w.c.	Pa	
477B-1	0 to 20.00 in w.c.	.0498	7.225	1.471	4.982	20.00	37.36	49.82	1.667	508.0	4982	3 psig
477B-2	0 to 40.00 in w.c.	.0996	1.445	2.942	9.96	40.00	74.73	99.6	3.333	1016	9964	3 psig
477B-3	0 to 200.0 in w.c.	.4982	7.225	14.71	49.82	200.0	373.6	498.2	16.67	5080	-	15 psig
477B-4	0 to 10.00 psi	.6895	10.00	20.36	68.95	276.8	517.1	689.5	23.07	7031	-	30 psig
477B-5	0 to 30.00 psi	2.069	30.00	61.08	206.9	830.4	1551	2069	69.20	-	-	60 psig
477B-6	0 to 50.00 psi	3.447	50.00	101.8	344.7	1384	2585	3447	115.3	-	-	100 psig
477B-7	0 to 100.00 psi	6.895	100.0	203.6	689.5	2768	5171	6895	230.7	-	-	200 psia

OPTION

To order add suffix:	Description
-NIST	NIST traceable calibration certificate
Example: 477B-1-NIST	

ACCESSORIES

Model	Description
A-402A	Carrying case; tough gray nylon pouch protects any Series 477B Manometer; double zippered for quick and easy access, with a belt loop that snaps closed; 7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)
UHH-C1	Soft carrying case
A-47X-BOOT	Protective magnetic rubber boot



A-402A



UHH-C1



A-47X-BOOT
(Manometer not included)