



EXTECH
INSTRUMENTS

UEI
TEST INSTRUMENTS

Dwyer

FLUKE

testo

Digital Manometers

Portable, handheld instruments measure low positive, negative, and differential air and gas pressure. Commonly used in HVAC applications, laboratory testing, field calibration, and for measuring airflow and velocity.

General purpose manometers feature a digital display and selectable pressure units. **Extech** units offer 11 selectable units of measure and record max./min./avg. readings with relative time stamp. Data hold, auto power off, and zero function for offset correction or measurement. **4FB77** has a wide measurement range with high resolution. LCD shows 8 selectable units with data hold, min./max. and zero functions. **UEI** units **49CK75** and **9LHH8** offer dual input differential measurement and feature dynamic min./max. capture, data hold, and auto-off. Rugged rubber boot housing. **49KE06** offers dual input differential measurements in 11 selectable units of measure. Auto-ranging with min./max., data hold, and zero. Built-in magnet for hands-free operation.

Static pressure test kits include a dual input digital manometer, static pressure tips, tubing, fittings, and carrying case - all the components needed for testing pressure switches and gas or static pressure in HVAC systems.

Manometers and airflow meters are 2-in-1 units that perform static and differential pressure measurements as well as airflow and air velocity measurements and calculations. **Dwyer** units offer 9 selectable engineering units and store up to 40 readings with min./max./avg. statistics. Calculate and display air velocity and volumetric air flow.

Extech unit is a pitot tube and differential manometer. Measures air velocity/air flow in tight locations. 5 selectable units of measure. Features data hold, auto-off, zero function, and record/recall for up to 99 readings. Includes pitot tube with connection hoses. **Fluke** units provide quick and accurate static and differential pressure, air velocity, and airflow measurements. 99 point storage capacity with min./max./avg./hold functions.

High-precision manometers offer precise 0.1% FS accuracy. Backlit digital display, 7 selectable pressure units, and internal memory stores up to 40 readings.

Single-pressure manometer measures low pressures in 9 selectable units. Push button auto-zero.

Smartphone-connected manometers measure differential and static pressure in 13 selectable units of measure. User is required to install the manufacturer's smartphone app, which reads, records, and analyzes measurements. Utilize bluetooth wireless connection.

Pressure Range	Accuracy	Connections	Brand	Item No.
General Purpose Digital Manometers				
-29 to 29 psi	±1%	4 mm Hose Barb	Extech	4FB77
-60 to 60 in wc	±0.02 in wc (Low), ±1%	¼ in Hose Barb	UEI Test Instruments	49CK75 †
	±0.02 in wc (Low), ±1%	¼ in Hose Barb	UEI Test Instruments	9LHH8
	±0.3%	¼ in Hose Barb	UEI Test Instruments	49KE06
0 to 13.85 in wc	±0.3%	½ in Hose Barb	Extech	2ENF2
	±0.3%	½ in Hose Barb	Extech	8MGK8 †
0 to 55.40 in wc	±0.3%	½ in Hose Barb, ¾ in Hose Barb	Extech	1CWL9
0 to 138.3 in wc	±0.3%	½ in Hose Barb, ¾ in Hose Barb	Extech	9LW58 †
	±0.3%	½ in Hose Barb	Extech	2ENF3
Digital Manometer Static Pressure Test Kits				
-60 to 60 in wc	±0.02 in wc (Low), ±1%	¼ in Hose Barb	UEI Test Instruments	36H169
	±0.02 in wc (Low), ±1%	¼ in Hose Barb	UEI Test Instruments	49CK76 *
Digital Manometers & Airflow Meters				
0 to 100 psi, 0 to 150 psi	±0.5%	¼ in Compression, ½ in Compression	Dwyer	K4723
0 to 10.00 in wc, 0 to 4.00 in wc, 0 to 1.00 in wc, 0 to 20.00 in wc, 0 to 40.00 in wc, 0 to 200 in wc, 0 to 10 psi, 0 to 20.00 psi, 0 to 30.00 psi	±0.5%	½ in Hose Barb, ¾ in Hose Barb	Dwyer	K4722
0 to 20 in wc	±0.3%	¾ in Hose Barb	Extech	9XJ80
0 to 16 in wc	±1%	¼ in Hose Barb	Fluke	1CWL5
-4 to 4 kPa	±1%	½ in Hose Barb, ¾ in Hose Barb	Fluke	1CWL6
High-Precision Digital Manometers				
0 to 20 in wc, 0 to 40 in wc, 0 to 200 in wc, 0 to 10 psi, 0 to 30 psi	±0.1% (60 to 78F), ±1% (Low/High)	½ in Hose Barb, ¾ in Hose Barb	Dwyer	K4721
0 to 50 psi, 0 to 100 psi	±0.1% (60 to 78F), ±1% (Low/High)	½ in Compression	Dwyer	K4721
Single-Pressure Digital Manometers				
-20 to 20 in wc	±1.5%	¼ in Hose Barb, ¾ in Hose Barb	Dwyer	1LZN6
Smartphone-Connected Digital Manometers				
-60 to 60 in wc	±0.02 in wc (Low), ±(0.1 in wc + 1.5%) (Full-Range)	¼ in Hose Barb, ½ in Hose Barb	Testo	49Z254 *

* Includes calibration certificate. † Includes NIST calibration.

Digital Manometers for Hazardous Locations

- ±0.5% accuracy
- Class I Div. 2 Group A,B,C,D safety rating

Rated intrinsically safe for hazardous locations. Low-energy discharge prevents ignition in areas where combustible or explosive gas or dust is present. Measure negative, positive or differential pressure in selectable units.

Air-measuring kits include all components needed to measure and monitor air velocity.

Dwyer



1XFW2

Pressure Range	Connections	Includes	Item No.
Intrinsically Safe-Rated Digital Manometers			
0 to 20 in wc	¾ in Hose Barb, ½ in Hose Barb	Battery and Instructions	1XFW2
0 to 40 in wc	½ in Hose Barb, ¾ in Hose Barb	Battery and Instructions	1XFW3
0 to 200 in wc	¾ in Hose Barb, ½ in Hose Barb	Battery and Instructions	1XFW4
Intrinsically Safe-Rated Air-Measuring Digital Manometer Kits			
	½ in Hose Barb, ¾ in Hose Barb	(2) 4 ½ Ft Length ¾ in ID Rubber Tubing, (2) No. A-303 Static Pressure Tips With Magnetic Mounting, A-397 Step Drill for ¾ in-1/2 in Holes in ¼ in Increments, A-532 AV Slide Chart, Fitted Polyethylene Case, Model 166T, 36 in Telescoping Ss Pitot Tube	38XU37
0 to 10 in wc	½ in Hose Barb, ¾ in Hose Barb	(2) 9 Ft Lengths ¾ in ID Rubber Tubing, (2) A-303 Static Pressure Tips With Magnetic Mounting, A-397 Step Drill for ¾ in-1/2 in Holes in ¼ in Increments, A-532 AV Slide Chart, Fitted Polyethylene Case, Model 166-6-CF, 6 in SS Pitot Tube With Integral Compression Fitting	38XU36
0 to 20 in wc	½ in Hose Barb, ¾ in Hose Barb	(2) 9 Ft Lengths ¾ in ID Rubber Tubing, (2) A-303 Static Pressure Tips With Magnetic Mounting, A-397 Step Drill for ¾ in-1/2 in Holes in ¼ in Increments, A-532 AV Slide Chart, Fitted Polyethylene Case, Model 166-6-CF, 6 in SS Pitot Tube With Integral Compression Fitting	1XFW5
0 to 40 in wc	½ in Hose Barb, ¾ in Hose Barb	(2) 9 Ft Lengths ¾ in ID Rubber Tubing, (2) A-303 Static Pressure Tips With Magnetic Mounting, A-397 Step Drill for ¾ in-1/2 in Holes in ¼ in Increments, A-532 AV Slide Chart, Fitted Polyethylene Case, Model 166-6-CF, 6 in SS Pitot Tube With Integral Compression Fitting	38XU38