

# M1000 Series Digital Manometer

**Digital Manometer** The new Meriam M1000 is a single function, portable pressure instrument with flexible features to meet many of your everyday pressures measurement needs. The device features an easy and intuitive user interface with convenient pressure connections.

The M1000 delivers +/- [(0.02% of FS) + (0.005% of Reading)] accuracy with a wide range of pressure sensors that are available for a variety of applications.

- Common features include damping, Min/Max, averaging
- Options: fitting kit, vacuum & pressure hand pumps, carrying case
- Device ships with calibration certificate traceable to NIST

## Features on M1000

- Compact and easy to use
- Zero key and user adjustments for manual calibration
- Compound, Absolute, and Differential pressure sensors

## Applications

- Leak testing for low pressure gas systems
- Pressure drop monitoring across filters
- Monitoring vacuum on condensers and pumps

Each Unit Includes: Protective Red Boot, 4 AA Batteries



Specifications	
Accuracy	+/- [(0.02% of FS) + (0.005% of Reading)]
Media	Clean, dry, non-corrosive gas
Pressure ranges	•0 to 15, 30, 100 psi Absolute non-Isolated •-1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Differential Non-Isolated •-1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Compound Non-Isolated Measure Units
Measurement Units	8 units: PSI, inH2O, mmH2O, inHg, mmHg, kPa, Bar, mBar
Display Resolution	6 digits
Temperature Specifications	•Storage: -20 °C to 70 °C (-4 °F to 158 °F)      • Operating: -4°C to 50°C
Connections	1/8" Female NPT 316SS
Dimensions	9.8 in (248.9 mm) x 5.2 in (132.1 mm) x 2.3 in (58.4 mm)

**ZM1000 Series Smart Manometer  
Configuration**



<b>Models</b>		<b><i>NIST Certificate with Data included with all models (Z1065)</i></b>
ZM1000	Digital Manometer	<b>Accuracy : <math>\pm 0.025\%</math> FS</b>
	<b>TYPE &amp; RANGE</b>	<b>For use with clean dry gases only.</b>
		<b>ABSOLUTE NON-ISOLATED</b>
	-AN0015	0 - 15 PSIA (775.72 mmHg)
	-AN0030	0 - 30 PSIA (1551.44 mmHg)
	-AN0100	0 - 100 PSIA (5171.48 mmHg)
		<b>DIFFERENTIAL NON-ISOLATED</b>
	-DN0001	-1 PSI TO 1 PSID (28" H2O)
	-DN0005	-5 PSI TO 5 PSID (138.5" H2O)
	-DN0015	-14.5 PSI TO 15 PSID (415.6" H2O)
	-DN0030	-14.5 PSI TO 30 PSID (831.2" H2O)
	-DN0050	-14.5 PSI TO 50 PSID (1385.4" H2O)
	-DN0100	-14.5 PSI TO 100 PSID ( 2770.8" H2O)
		<b>COMPOUND NON-ISOLATED</b>
	-CN0001	-1 PSI TO 1 PSIG
	-CN0005	-5 PSI TO 5 PSIG
	-CN0015	-14.5 PSI TO 15 PSIG
	-CN0030	-14.5 PSI TO 30 PSIG
	-CN0050	-14.5 PSI TO 50 PSIG
	-CN0100	-14.5 PSI TO 100 PSIG

<b>PART#</b>	<b>OPTIONAL ACCESSORIES FOR M1000 SERIES</b>
ZA34386	<b>Connector Kit:</b> (not for use with CI3000) kit includes: 1/8" tubing, "T" unions (2), 1/8" MNPT adapters (6), 3/16" Barb to 1/8" FNPT (1), 1/4" MNPT to 1/8" FNPT reducer (2)
ZA34477	Basic Test Kit: Includes: Nylon Tubing, 10 ft (ZA34103-2), Adaptor, Brass, 1/8" OD Tubing to 1/8" MNPT (ZA34102)
Z9P1723-1	<b>Spare Protective Boot</b> - Red *Each Unit comes standard with a Protective Red Boot
Z9A1685	<b>ABS plastic carrying case</b> for ZM1000, ZM2000, ZM2001, ZM2003 (includes cut out for unit with 3 valve manifold and three MTS Sensors)
Z9A1684	<b>Push to Read Valve</b> -ALL BRASS. Valve is standard with ZM2001 with DN Sensor. SWP: 300 PSIG

## M1000/M100/M101 COMPARISON



FEATURES	M1000	M100/M101
ACCURACY	± 0.025% FS	± 0.25% & ± 0.1%
NIST CERT	INCLUDED	FS OPTIONAL
INTRINSIC SAFETY	NO	NO
DISPLAY RESOLUTION	6 DIGITS	4 DIGITS
DISPLAY	Numerical display hgt is .7"	2 1/4" X 1"
MEASUREMENT UNITS	8	8
POWER	4 AA	3 AA
DIMENSIONS	9.8" X 5.2" X 1.3"	6.8" X 3.5" X 1.3"
WEIGHT	35.2 OZ.	12.0 OZ
FUNCTIONALITY	SENSOR & CALIBRATION DATA	LIMITED
MEASUREMENT TYPE	PRESSURE	PRESSURE
MEDIA COMPATIBILITY	GASES	GASES
PRESSURE RANGES	0 TO 100 PSI	0 TO 100 PSI
PRESSURE SENSORS	NON-ISOLATED COMPOUND, ABSOLUTE, DIFFERENTIAL	NON-ISOLATED GAUGE, ABSOLUTE, DIFFERENTIAL
PRESSURE CONNECTIONS	1/8" FEMALE NPT 316SS	1/8" FEMALE NPT 316SS