

# Pressure / Vacuum Meter

# UniMano 1000



Measures  
Pressure and  
Vacuum

**UniMano 1000** is a universal Pressure and Vacuum meter designed for very precise measurements of pressure and vacuum in medical, laboratory and industrial applications. The UniMano - Pressure Vacuum Meter combines such features as fluid compatibility, temperature compensation, linearity correction, leak detection, peak hold, over pressure alarm and user selectable units of measurement.

**UniMano 1000**, Pressure Vacuum Meter is menu driven and simple to operate. All the functions are set from a 2 line 16 character LCD Display and a key pad with 8 tactile keys. Using state of the art technology, UniMano provides superior accuracy and performance. Many software upgrades will be made available to accommodate additional features and advanced functions.

## Features:

- Microcontroller based
- Pressure and Vacuum measurement
- 8 engineering units of measurement
- Fluid and gas compatible
- Auto zero
- Leak detection
- Peak hold
- Gauge & Differential models (see Chart)
- High Accuracy & Resolution (see Chart)
- Temperature compensated
- Two line 16 character LCD display
- Membrane key pad
- Compact - palm size

## Specifications:

**Display:** 2 Line 16 character LCD Display

**Accuracy:** 0.1% of FS  $\pm$  1 Digit

**Resolution:** See Chart for Resolution and Ranges

**Over Pressure:** Three Times Pressure Range

**Medium Compatibility:** Non-Corrosive fluid and gas

**Housing:** High Impact ABS Plastic

**Power:** 9 Volt Alkaline Battery or Optional AC Adapter

**Dimensions:** 5.5 x 3.5 x 1.5 inches (13.75 x 8.75 x 3.75 cm)

**Operating Temp:** 32° to 122° F (0° to 50° C)

**Weight:** 10 oz (0.28 kg)

## Ordering Information

Part#	Description	Pressure Range	Resolution
800-2000	Gauge pressure	30 PSI	0.01
800-UMD2000	Differential Pressure	-14PSI to 30 PSI	0.02
800-4000	Gauge pressure	-10PSI to 60 PSI	0.02
800-UMD4000	Differential Pressure	-14PSI to 60 PSI	0.02
800-5000	Gauge pressure	-10PSI to 100 PSI	0.1
800-UMD5000	Differential Pressure	-14PSI to 100 PSI	0.1
804	Syringe Pump for Generating and controlling Pressure or Vacuum.		

Universal Tubing and Connector Kit available. [Call for Part Numbers](#)

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## UniMano Selection Chart ( Models Ranges and Resolution)

### Part # 800-2000 ( Gauge)      Part # 800-UMD2000 (Differential)

Units	Positive (+)	Negative (-)	Resolution
mmHg	1500.0	750.0	0.5
inH2O	800.0	400.0	0.3
mBar	2000.0	1000.0	0.7
cmH2O	2100.0	1000.0	0.7
kPa	200.0	100.00	0.07
inHg	60.00	30.00	0.02
PSI	30.00	14.700	0.01
Kg/cm <sup>2</sup>	2.0000	1.0000	0.0007



Part # 800-2000  
Gauge Pressure  
Shown

### Part # 800-4000 ( Gauge)      Part # 800-UMD4000 (Differential)

Units	Positive (+)	Negative (-)	Resolution
mmHg	3000	750	1
inH2O	1600	400	1
mBar	4100	1000	1
cmH2O	4200	1000	1
kPa	400.0	100	0.2
inHg	120.0	30.0	0.1
PSI	60.00	14.70	0.02
Kg/cm <sup>2</sup>	4.000	1.000	0.002

### Part # 800-5000 ( Gauge)      Part # 800-UMD5000 (Differential)

Units	Positive (+)	Negative (-)	Resolution
mmHg	5000	750.0	1
inH2O	2700	400.0	1
mBar	6800	1000	1
cmH2O	7000	1000	1
kPa	690	100.0	0.1
inHg	200.0	30.00	0.1
PSI	100.0	14.70	0.1
Kg/cm <sup>2</sup>	7.000	1.000	0.001

Part# 804  
Syringe Pump for  
Generating  
Precision Pressure  
or Vacuum

