

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 ²	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 ²	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 ²	7.000	1.000	0.001

Part# 804
Syringe Pump for
Generating
Precision Pressure
or Vacuum

