

DigiMano 1000

User Manual



▶ **Compact**

▶ **Lightweight**

▶ **Easy to Use**

Pressure/Vacuum Meter

(Precision Instrument)



NETECH

Innovative Instruments Since 1987

Table of Contents

Notices	3
<i>Quality Assurance/Trademark</i>	3
<i>Unpacking and Inspection of the Unit.....</i>	3
<i>Refunds/Restocking/Repairs</i>	4
<i>General Contact Information</i>	5
Introduction.....	6
<i>Description.....</i>	6
<i>DigiMano 1000 Features.....</i>	6
<i>Preparation for Use.....</i>	7
Specification.....	7
<i>General Specifications.....</i>	7
<i>Part Numbers and Ordering Information.....</i>	8
Instrument Familiarization	9
<i>Operating Instructions.....</i>	10
<i>Precautions.....</i>	10
Troubleshooting	11
<i>Simple Troubleshooting Guide.....</i>	11
Warranty.....	12

Notices

Copyright

Copyright © 2025 by Netech Corporation. All rights reserved. No part of this publication may be reproduced or transmitted in any form other than for the purchaser's personal use without written permission from Netech Corporation.

Quality Assurance

Netech is ISO 9001-2015 Registered. This instrument was thoroughly tested and inspected according to Netech's ISO 9001-2015 quality system and test procedures and found to meet those specifications when it was shipped from the factory. Calibration measurement Instruments are traceable to the NIST (National Institute of Standards and Technology).

Trade Mark

Netech and DigiMano 1000 are trademarks of Netech Corporation. Any other trademark names used in this manual are only for editorial purposes and the benefit of the respective trademark owner with no intention of improperly using that trademark

Unpacking and Inspection of the Unit

Before unpacking the DigiMano 1000, inspect the shipping box for any visual damage. If damage is found, do not unpack the unit and immediately notify the shipping carrier. If no damage is found to the shipping box, open the box and perform a visual inspection of the DigiMano 1000. If any damage to the unit is observed please contact Netech Customer Service.

Technical Support

For technical support questions, either email

Techsupport@NetechBiomedical.com or Call 1-800-547-6557

or (1-631-531-0100)

Refunds and Credits

A Return Material Authorization (RMA) number must be obtained from our service or customer service dept, before a product is returned for refund or credit. The RMA number should be clearly marked on the package along with a statement indicating the reason for return.

Restocking Charges

Products returned within 30 days after purchase are subject to a restocking charge of 15%. Products must be shipped prepaid in original shipping cartons with all accessories and parts. Additional charges will be applied for any missing parts or accessories.

Repair and Recalibration

Products returned for repair or recalibration must obtain a RMA (Return Material Authorization) from our service department after completing a service request form our website <https://www.NetechBiomedical.com/repair> or contact Netech Customer Service

Department at CustomerService@NetechBiomedical.com

Calibration

The DigiMano 1000 is factory calibrated, thoroughly tested, and meets Netech's ISO 9001-2015 quality standards.

Any attempt to remove or tamper with the calibration seal will void the warranty.

General Contact Information

Netech Corporation, 110 Toledo St, Farmingdale, NY 11735.

Phone: 631-531-0100, (or) 1-800-547-6557

Website: www.NetechBiomedical.com

Email: sales@NetechBiomedical.com

Warnings

SYMBOL	DESCRIPTION
	Caution: Important Safety Information
	Hazardous Voltage
	Conforms to European Union Directive

Introduction

Description

The DigiMano 1000 is a portable digital instrument designed to measure the pressure and vacuum of non-corrosive fluids and gases. The versatile instrument presents its measurement results in one of two engineering units on a large 3 digit LCD display.

The DigiMano 1000 has an accuracy of 0.25% full scale. Three Models with different engineering units and pressure ranges are available.

To provide superior performance, the DigiMano 1000 incorporates one of the latest semiconductor pressure sensors. It is powered by one 9-Volt alkaline battery. Optionally, an AC adapter may be used.

The DigiMano 1000 is CE marked and is shipped with a Certificate of Calibration traceable to the NIST. The DigiMano 1000 is a rugged instrument that performs its measurements quickly, accurately, and with ease.

DigiMano 1000 Features

- Affordable: Costs far less than most comparable Digital Pressure Meters.
- Portable and Lightweight: Just 3 x 2 x 1.4 in size. Battery operated.
- Consistent: External Zero Balance assures long term stability.
- Versatile: Dual Units design with mmHg / PSI or mmHg / InH₂O. No need for special fittings.

Preparation for Use

The DigiMano 1000 is shipped with the following items included in the customized hard case:

- DigiMano 1000
- User Manual USB

Specifications

General Specifications

Display: 3-1/2 Digit 0.5 in LCD.

Polarity Display: The negative sign (-) is displayed when there is a vacuum reading.

Accuracy: 0.25% full range, +/- 1 count (Pressure Only).

Operating Temperature: 0°C to 40°C

Media Compatibility: Non-corrosive fluids and gases.

Maximum Pressure: Double the rated Pressure.

Power: One 9 volt alkaline battery or optional AC adapter.

Low Battery Indicator: LED on if battery voltage is \leq 6.8 volts.

Physical Dimensions: Size: 3 x 2 x 1.4 in (7.6 X 5 X 3.6 cm);
Weight: 6.5 oz (.18 kg)

Part Numbers and Ordering Information

- Part Number:** **200-2000IN:** DigiMano 1000, 2000 IN - Pressure Vacuum Meter, Range of 1999 mmHg and 199.9 in H₂O, Accuracy 0.25% FSO
- 200-2000PS:** DigiMano 1000, 2000 PS - Pressure Vacuum Meter, Range of 1999 mmHg and 19.99 PSI, Accuracy 0.25% FSO
- 200-2000CMH₂O:** DigiMano 1000, 2000 CmH₂O Pressure Vacuum Meter, Range of 19.99 PSI and 1999 CmH₂O, Accuracy 0.25% FSO
- 200-BP-CAL-KIT:** Kit includes DigiMano 1000 (P/N: 200-2000PS -1999mmHg/19.99PSI), Carrying case, Syringe Pump and Tubing/Luer Lock Connectors
- 200-BP-CAL-KIT-1:** Kit includes DigiMano 1000 (P/N: 200-2000IN -1999mmHg/199.9In H₂O), Carrying Case, Syringe Pump and Tubing/ Luer Lock Connectors
- 200-BP-CAL-KIT-2:** Kit includes DigiMano 1000 (P/N: 200-2000PS -1999mmHg/19.99PSI), Carrying Case, Disconnect Tubing Adapter (ADAPT-Q) & Bulb Adapter (ADAPT-B)

Standard Accessories (Included with the Unit):

- 200-CASE:** Hard Carrying Case
- 200-USB:** User Manual USB

Various optional accessories including universal connector kits are available. Visit www.NetechBiomedical.com for more information.

Instrument Familiarization

Before getting started, it is important to get familiar with the control and operation of the unit.



Figure 1. DigiMano 1000 Controls

Number	Description
1	LCD Display - A 3 Digit LCD indicates the result of the measurement being made.
2	Connector for AC Adapter - Uses optional part 302 AC Adapter.
3	Low Battery LED - LED lights when the battery is ≤ 6.8 volts.
4	On/Off Switch - Turns instrument on and off.
5	Zero Adjustment - Manual zero adjustment potentiometer.
6	Unit Selector Switch - Selects desired units of measurement.
7	Pressure Port - Female Luer lock connector.

Operating Instructions:

1. Turn the DigiMano 1000 ON and allow two minutes for the transducer to warm up and stabilize.
2. Select the desired engineering unit to be displayed.
3. With no pressure applied the display should read zero (0). If not, adjust the manual zero adjustment potentiometer.
4. Connect the DigiMano 1000 to the device to be tested or to a pressure vacuum line.
5. Read the pressure or vacuum in the measurement units that have been selected by the Unit Selector Switch. The negative sign (-) will be displayed when reading vacuum measurements.

Precautions



Do not exceed the rated maximum pressure of the instrument, although a transient pressure of two times the rating will generally be tolerated.



Do not connect the instrument to corrosive gases or highly ionic fluids.



Do not continue to use if the instrument is wet.

Troubleshooting

Simple Troubleshooting Guide

When inaccurate pressure vacuum readings are suspected, check the following items:

1. Install a fresh 9 Volt battery.
2. Turn the DigiMano 1000 on and verify that the display reads zero with no pressure applied to the instrument, 00+/- 1 count.
3. Adjust the zero adjustment potentiometer as necessary.
4. Connect the instrument to a pressure source, apply a known pressure, and verify the reading within the specifications of the DigiMano 1000 model, 0.25%+/- 1 count.

Warranty

Netech warrants this instrument to the original purchaser, as purchased from a Netech distributor or dealer, will conform to the written specification as of the date of its manufacture, for two years from the date of purchase. The second-year warranty is contingent upon returning the unit to the factory for the annual recalibration at the end of the first year warranty. Netech warrants this instrument against defects in materials and workmanship. If the instrument fails to conform to these warranties, Netech will repair or replace the unit and/or its components within a reasonable period; if the DIGIMANO 1000 is returned, shipping prepaid, to Netech's facility at Farmingdale, NY, USA within the warranty period as expressed above.

These warranties are made upon the expressed condition that:

- 1. The purchaser promptly notifies Netech in writing of any nonconformity with the above warranty including a detailed explanation of the alleged deficiencies.*
- 2. The DigiMano 1000 is returned to Netech at the buyer's expenses only after obtaining the proper RMA authorization from Netech.*
- 3. Netech will not be liable for any incidental or consequential damages.*
- 4. In the opinion of Netech upon inspection, the DigiMano 1000 has not been misused, altered, or damaged due to the abnormal handling and/or operation.*
- 5. Repairs to the DigiMano 1000 and/or its components have not been made by anyone other than Netech or one of its authorized repair agents.*
- 6. The DigiMano 1000 has not been modified, altered, or changed in any manner by anyone other than Netech or one of its authorized repair agents.*
- 7. All shipping and handling charges will be billed to the purchaser.*

THIS WARRANTY EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, ORAL OR WRITTEN, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. NETECH IS NOT LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES FROM ANY MISUSE OF THE INSTRUMENT.

To receive free software and firmware updates, please fill out and send the warranty registration card or fill out online warranty registration: - <http://www.NetechBiomedical.com/warranties>

Appendix: A

Current Revision: R2 09/16/25

Pages revised from the previous Revision (R1).



Serving the Biomedical Industry Worldwide Since 1987

Full Line of Biomedical Test Equipments

Compact. Easy to Use. Best Value.



EXPMT 2000
Ext. Pacemaker Analyzer



DELTA 3300
Defibrillator Analyzer



MINISIM EEG 2000
EEG Simulator



MINISIM 1000
Patient Simulator



DELTA 1600
AED Tester



LKG 601
Electrical Safety Tester



DIGIMANO 1000
Pressure Vacuum Meter



DIGIFLOW 2000
Digital Gas Flow Meter



DIGIMANO 2000
Precision Pressure
Vacuum Meter

Made in the USA



Registered to ISO 9001



Contract Holder



Visit our website
www.NetechBiomedical.com
to browse our complete line of
Biomedical Test Instruments.



☎ 1-800-547-6557

✉ sales@NetechBiomedical.com

📍 110 Toledo Street, Farmingdale, NY 11735

Follow Us on Facebook
[@NetechBiomedical](https://www.facebook.com/NetechBiomedical)