

# PendoTECH Handheld Pressure Monitor: PressureMAT™-DPG

---

## User Guide

*Revision 0*



[www.PendoTECH.com](http://www.PendoTECH.com)

# PressureMAT™-DPG User Guide

Copyright © 2018, PendoTECH

All rights reserved. No part of this publication may be reproduced, stored in an electronic retrieval system, or transmitted, in any form or by any means, whether electronic, mechanical, by photocopying, or otherwise, without the written consent of PendoTECH.

The information in this User Guide is believed to be accurate and reliable for use and operation of the control system, however, PendoTECH assumes no responsibility for the use of this product except for what is covered in the Limited Warranty and Terms and Condition of Sale. Goods and Software are not designed, intended or authorized for use as components in life support or medical devices. They are not designed for any application in which the failure of the product could result in personal injury, death or property damage.



*Warning potential shock hazard. Do not use this product near water or if you are wet. Do not submerge this product. Use only in a grounded electrical outlet. Turn off the product before cleaning with any liquids.*

## **Table of Contents**

<i>Overview of the Handheld Pressure Monitor</i>	3
<i>Components Supplied</i>	3
<i>DPG Details</i>	4
<i>Using the Device</i>	6
<i>Explanation of Functions</i>	7
<i>Appendix A: Product Warranty</i>	8

## ***1. Overview of the Handheld Pressure Monitor***

- Reads PendoTECH Single Use Pressure Sensors™
- Convenient handheld design
- Battery operated
- No calibration required when used with the PendoTECH Single Use Pressure Sensors
- One-touch button for sensor tare at 0 psi
- Minimum / maximum pressure display buttons
- Comes with 12 foot re-usable cable (PMAT-650-298-DPG)

## ***2. Components Supplied***

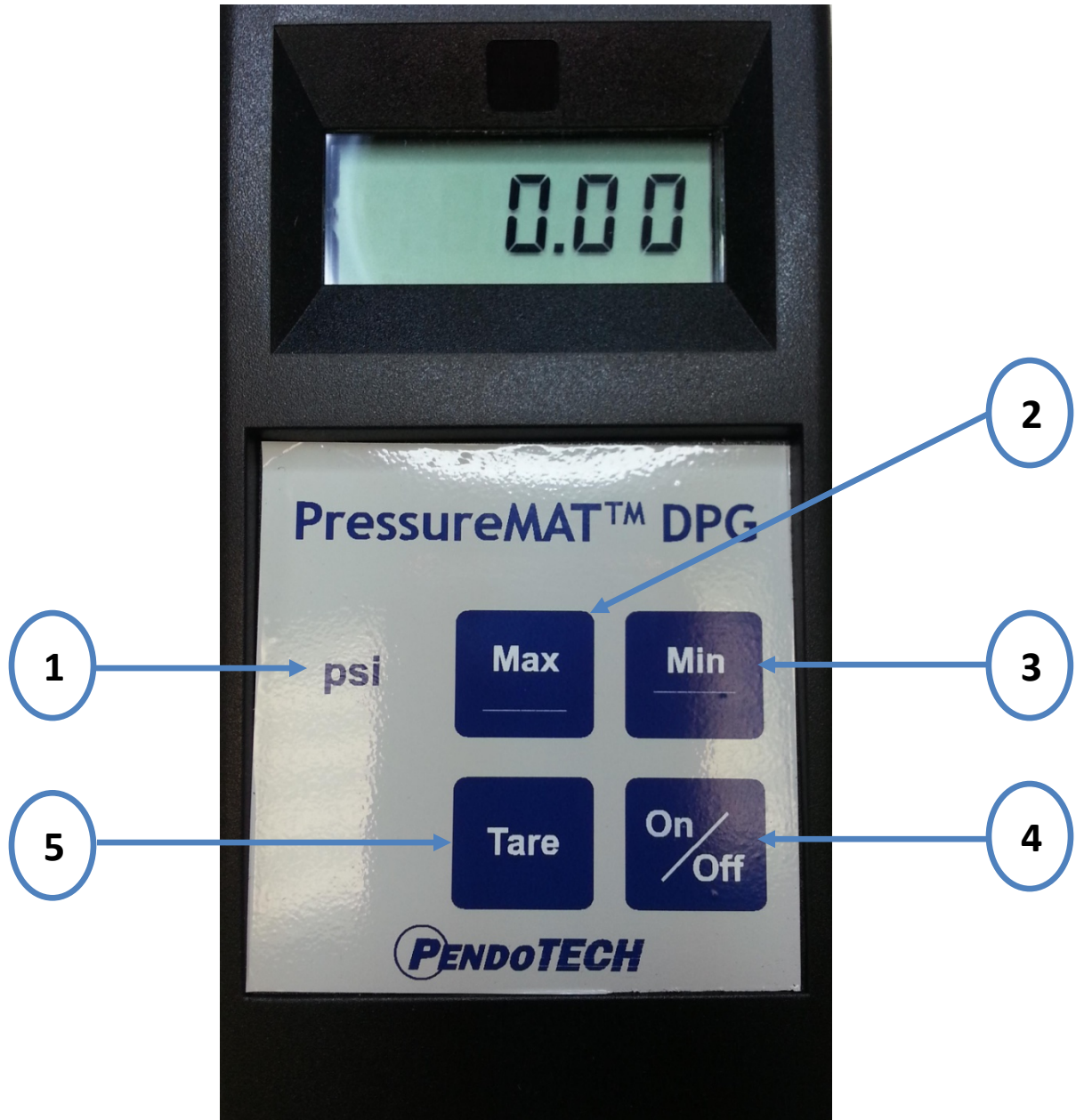
- Handeld Pressure Monitor
- PMAT-650-298-DPG: Cable Adapter with D9 for Single Use Pressure Sensor for PressureMAT DPG (12ft)
- (1) 9V Battery (Installed)

### 3. DPG Details

#### 3.1. Specifications

<b>Dimensions</b>	<b>80mm (w) X 145mm (l) X 39mm (d)</b>
<b>Connections</b>	<b>DB9 female receptacle</b>
<b>Weight</b>	<b>250 grams including battery</b>
<b>Sensor Excitation</b>	<b>5 Volts DC</b>
<b>Accuracy</b>	<b>Reads sensors to their specification of 0-6 psi +/- 2% of reading; 6-30 psi +/- 3% of reading</b>
<b>Display Update</b>	<b>Up to 4 times per second</b>
<b>Power Supply</b>	<b>9V DC battery (alkaline recommended)</b>
<b>Battery Life</b>	<b>Typically 15 hours</b>
<b>Auto Shut Off</b>	<b>10 minutes (Contact PendoTECH for instructions to modify)</b>

### 3.2. Front Panel Overview



#### Legend:

- 1) PSI Lettering
- 2) Max Button
- 3) Min Button
- 4) On/Off Button
- 5) Tare Button

- *On/Off Button:* Used to turn on or off device.
- *Max Button:* Displays maximum value in memory. Hold pressed for 3 seconds to reset memory. Cycling power also resets stored memory values.
- *Min Button:* Displays minimum value in memory. Hold pressed for 3 seconds to reset memory.
- *Tare Button:* Used to zero the displayed reading. Hold pressed for 2-3 seconds to zero.

## ***4. Using the Device***

1. Ensure that the device is powered off.
2. Connect the DB9 cable to the DPG receptacle and screw it in.
3. Connect pressure sensor to cable
4. Press the **On/Off** button to turn on the device. After a few seconds, a pressure reading will appear on the screen.
5. Ensure that the attached sensor is exposed to atmospheric pressure and press the tare button to zero the reading.
6. Apply pressure to the sensor and the pressure value will be shown on the screen.

## **APPENDIX A: PRODUCT WARRANTY**

**LIMITED WARRANTY:** Subject to the limitations contained in LIMITATION OF REMEDY AND LIABILITY and except as otherwise expressly provided herein, PendoTECH LLC ("Seller") warrants that the Software will execute the programming instructions provided by Seller, and that the products, systems and goods ("Goods") manufactured by Seller will be free from defects in materials or workmanship under normal use and service until the expiration of twenty-four (24) months from the date of shipment by Seller. Expendable items are warranted to be free from defects in material and workmanship under normal use and service for a period of ninety (90) days from the date of shipment by Seller. Products purchased by Seller from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. Buyer agrees that Seller has no liability for Resale Products beyond making a reasonable commercial effort to arrange for procurement and shipping of the Resale Products. If, within thirty (30) days after Buyer's discovery of any warranty defects during the applicable warranty period, Buyer notifies Seller thereof in writing, Seller shall, at its option and as Buyer's sole and exclusive remedy hereunder, promptly correct any errors that are found by Seller to exist in the Software, or repair or replace F.O.B. point of manufacture, that portion of the Goods or Software found by Seller to be defective. All replacements or repairs necessitated by inadequate preventive maintenance, or by normal wear and usage, or by fault of Buyer, or by unsuitable power sources or by attack or deterioration under unsuitable environmental conditions, or by abuse, accident, alteration, misuse, improper installation, modification, repair, storage or handling, or any other cause not the fault of Seller are not covered by this limited warranty, and shall be at Buyer's expense. Seller shall not be obligated to pay any costs or charges incurred by Buyer or any other party except as may be agreed upon in writing in advance by an authorized Seller representative. All costs of dismantling, reinstallation and freight and the time and expenses of Seller's personnel for site travel and diagnosis under this warranty clause shall be borne by Buyer unless accepted in writing by Seller. Failure by Buyer to give such written notice of defects within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired and parts replaced during the warranty period shall be in warranty for the remainder of the original warranty period or ninety (90) days, whichever is longer. All warranties, either express or implied, extend to BUYER only. All descriptions, representations and/or other information concerning Goods on the PendoTECH website and/or contained in PendoTECH's advertisements, brochures, promotional material, or statements made by employees or sales representatives of PendoTECH are solely for general informational purposes only and are not binding upon PendoTECH. No employee or sales representative of PendoTECH shall have any authority to establish, expand or otherwise modify PendoTECH's warranty associated with the sale of Goods. SELLER shall not be liable to BUYER in any manner with respect to Goods sold. SELLER MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY TYPE, EXPRESS OR IMPLIED, AND EXPRESSLY DISCLAIMS AND EXCLUDES ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, NON-INFRINGEMENT OR WARRANTY ARISING FROM USAGE OF TRADE, COURSE OF DEALING OR PERFORMANCE. PendoTECH, LLC makes no warranty or representation regarding whether or not a customer's end use of any PendoTECH product, system or good infringes the valid intellectual property rights of others.

**LIMITATION OF REMEDY AND LIABILITY:** SELLER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE. THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF WARRANTY HEREUNDER SHALL BE LIMITED TO REPAIR, CORRECTION OR REPLACEMENT UNDER THE LIMITED WARRANTY. IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE TO BUYER OF THE SPECIFIC GOODS MANUFACTURED BY SELLER GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. THE TERM "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, BUT NOT BE LIMITED TO, LOSS OF ANTICIPATED PROFITS, LOSS OF USE, LOSS OF REVENUE AND COST OF CAPITAL. Rev. 0

Contact PendoTECH for more service or more information on use of this product  
[www.PendoTECH.com](http://www.PendoTECH.com)

**Phone:** (+1) 609-799-2299