The New Pachmate 2
from DGH Technology

Globally Recognized as the
Leading Handheld Pachymeter

Now Featuring
Exclusive Automatic Report Generation Using Wireless Bluetooth® Technology

Specifications

Measurement Range: Standard: 200 microns to 1100 microns
Accuracy: ± 0.1 microns
Resolution: 1 micron
Internal Clock Accuracy: ±0.0025%
Dimensions: 7.1" (181 mm) Length x 1.0" (41 mm) Width x 0.9" (23 mm) Depth
Weight: 3.6 Ounces (102 grams)

Power Requirement: Two (2) AAA batteries

DGH Connect Software: System Requirements

Processors: 30-64 bit, 2 GHz
Memory: 3 GB RAM
Hard Drive: 1 GB minimum, 100 GB recommended
Ports: USB (2)
Display: 1024 x 768 resolution

DGH Connect Software: Compatible Operating Systems

Microsoft Windows XP Service Pack 3 or higher (32-bit)
Microsoft Windows Vista, Service Pack 2 or higher (32-bit or 64-bit)
Microsoft Windows 7 (32-bit or 64-bit)
Microsoft Windows 8/8.1 (32-bit or 64-bit)
The DGH Pachmate revolutionized the measurement of corneal thickness with a handheld pachymeter that produces accurate, reliable, and easy to obtain results. The New Pachmate 2* also features an exclusive memory system that stores multiple patient records for automatic report generation using Bluetooth® wireless technology.

*With Bluetooth® Module installed

EASE OF USE
Turn on power and the Pachmate 2 is ready to take measurements. Contact the probe tip to any location on the cornea, and the Pachmate 2 will obtain and store up to 25 measurements in a fraction of a second. Audible feedback indicates when a valid measurement is complete. After bilateral measurements have been completed, the measurements can be reviewed on the 16 character by 2 line LCD which provides easy visibility of the current measurement, the average, and the standard deviation of all measurements taken.

ACCURACY & REPRODUCIBILITY
Proven measurement algorithm yields accurate, reproducible measurements in a fraction of a second. The measurement capability of the Pachmate is an enhancement of the proven technology that has set the standard for measuring corneal thickness since 1982.

PERSONALIZED CONFIGURATION MEMORY
When you receive your Pachmate 2, the unit is ready to take corneal measurements at initial power up. It is not necessary to set up or configure any parameters. However, the Pachmate 2 has been designed to allow the user to personalize the operational mode, number of measurements taken, adjustment of time delays, etc. Once modified, these parameters are permanently stored in its memory.

DURABLE PORTABILITY
Handheld, battery operated, and lightweight, the Pachmate 2 will fit easily into any lab coat or pocket. The retractable probe provides protection of the probe tip when not in use. The Pachmate 2 has a minimum lifetime of 10 years and an industry leading 3 year warranty.

ADDITIONAL FEATURES
Detachable and Rotatable Probe: The Pachmate 2 probe rotates to allow the user to customize measurement position. When not in use, the probe can be rotated into the hand piece for protection while being transported or stored. The probe is also detachable and can easily be removed by the operator for cleaning or, if necessary, for replacement.

Mapping Mode for obtaining and storing up to 33 actual and biased corneal mapped measurements. These measurements can be obtained at any point on the cornea, including the periphery.

"Off the shelf" batteries: The Pachmate 2 is supplied with 2 sets of NiMh rechargeable batteries (4 total AAA batteries), or alkaline batteries can also be used. A battery charger is included with each unit.

Multiple Patient Records
Using Bluetooth® Wireless Technology
and DGH Connect Software

1. Using the DGH Connect Software (PC), enter patient ID information for up to 20 patients and wirelessly transmit to the Pachmate 2.
2. The Pachmate 2 stores all patient ID information in its memory for reference when measuring patients.
3. After the measurement sequence is complete, wirelessly transmit all results and patient information directly to a Bluetooth® enabled printer.
4. OR - After the measurement sequence is complete, wirelessly transmit all results and patient information back to the PC for report generation and printing.
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**Multiple Patient Records Using Bluetooth® Wireless Technology and DGH Connect Software**

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Figure B: PC Automatic Report Generation

Specifications
- Measurement Range: Standard: 200 microns to 1100 microns
- Accuracy: ± 0.5 microns
- Resolution: 1 micron
- Internal Clock Accuracy: ±0.005%
- Dimensions: 7.1" (181 mm) Length x 1.6" (41 mm) Width x 0.9" (23 mm) Depth
- Weight: 3.6 Ounces (102 grams)
- Power Requirement: Two (2) AAA batteries

DGH Connect Software: System Requirements
- Processor: 50-MHz or 64-bit, 2 GHz
- Memory: 3 GB RAM
- Hard Drive: 1 GB minimum, 100 GB recommended
- Ports: USB 2.0
- Display: 1024 x 768 resolution
- Peripherals: Mouse (or Touchpad), Keyboard
- Bluetooth® Radio: v2.1 or later

DGH Connect Software: Compatible Operating Systems
- Microsoft Windows XP Service Pack 3 or higher (32-bit)
- Microsoft Windows Vista, Service Pack 2 or higher (32-bit or 64-bit)
- Microsoft Windows 7 (32-bit or 64-bit)
- Microsoft Windows 8/8.1, 2 (32-bit or 64-bit)

NOTES

Figure A: Bluetooth® enabled printer sample printout (not shown at actual size)