

# PACHETTE 4

Global Leader in Desktop  
Pachymetry



**DGH** TECHNOLOGY, INC.  
THE ULTRASOUND SPECIALIST

*Device shown with optional Bluetooth® feature*

# Gold Standard in Desktop Pachymetry



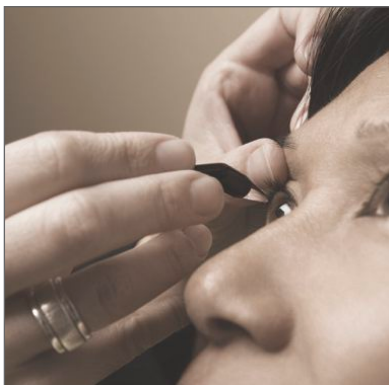
The **Pachette 4** is globally recognized as the leading portable, desktop pachymeter. It's designed for performance, portability and convenience. Turn on power, contact the probe tip to any location on the cornea, including the periphery, and the Pachette 4, using DGH's proven measurement algorithm, will obtain accurate, reproducible measurements in a fraction of a second. The angled probe is detachable and can be sterilized, making the Pachette 4 perfect for intra-operative use. Clinical applications for corneal thickness measurements include preoperative evaluation of laser correction procedures, CCT measurements for glaucoma screening, accurate monitoring of keratoconus treatment, and in the general assessment of corneal health related to pathologies.

## Corneal Thickness Measurements Easy. Fast. Accurate.



Turn on power and the Pachette 4 is ready to take measurements.

Contact the probe tip to any location on the cornea, and the Pachette 4 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 display which provides easy visibility of the current measurement, the average, and the standard deviation of all measurements taken.



Proven measurement algorithm yields accurate, reproducible measurements in a fraction of a second. The measurement capability of the Pachette 4 is an enhancement of the proven technology that has set the standard for measuring corneal thickness since 1982.



When you receive your Pachette 4, 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 Pachette 4 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.



# Features



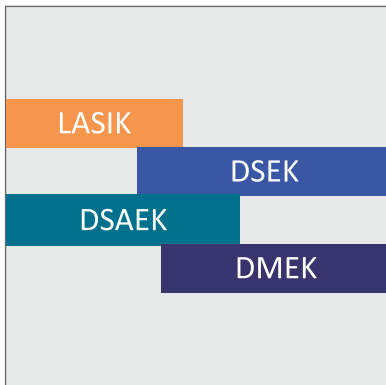
The Pachette 4 can be upgraded to extend its range from the standard range of 200-1100 microns, to an extended range of 95-1100 microns to help operators measure corneal thickness during corneal procedures. The Pachette 4 probe is detachable for easy cleaning and replacement. The probe is sterilizable with a cold soak so it can be used intra-operatively.



The Pachette 4 probe can be stored in the custom molded probe holder cavity and cord wrap, protecting the probe during transportation or storage.



The Pachette 4 runs on two (2) alkaline AA batteries. It's supplied with four (4) alkaline batteries, and can also be used with NiMh rechargeable batteries.



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.



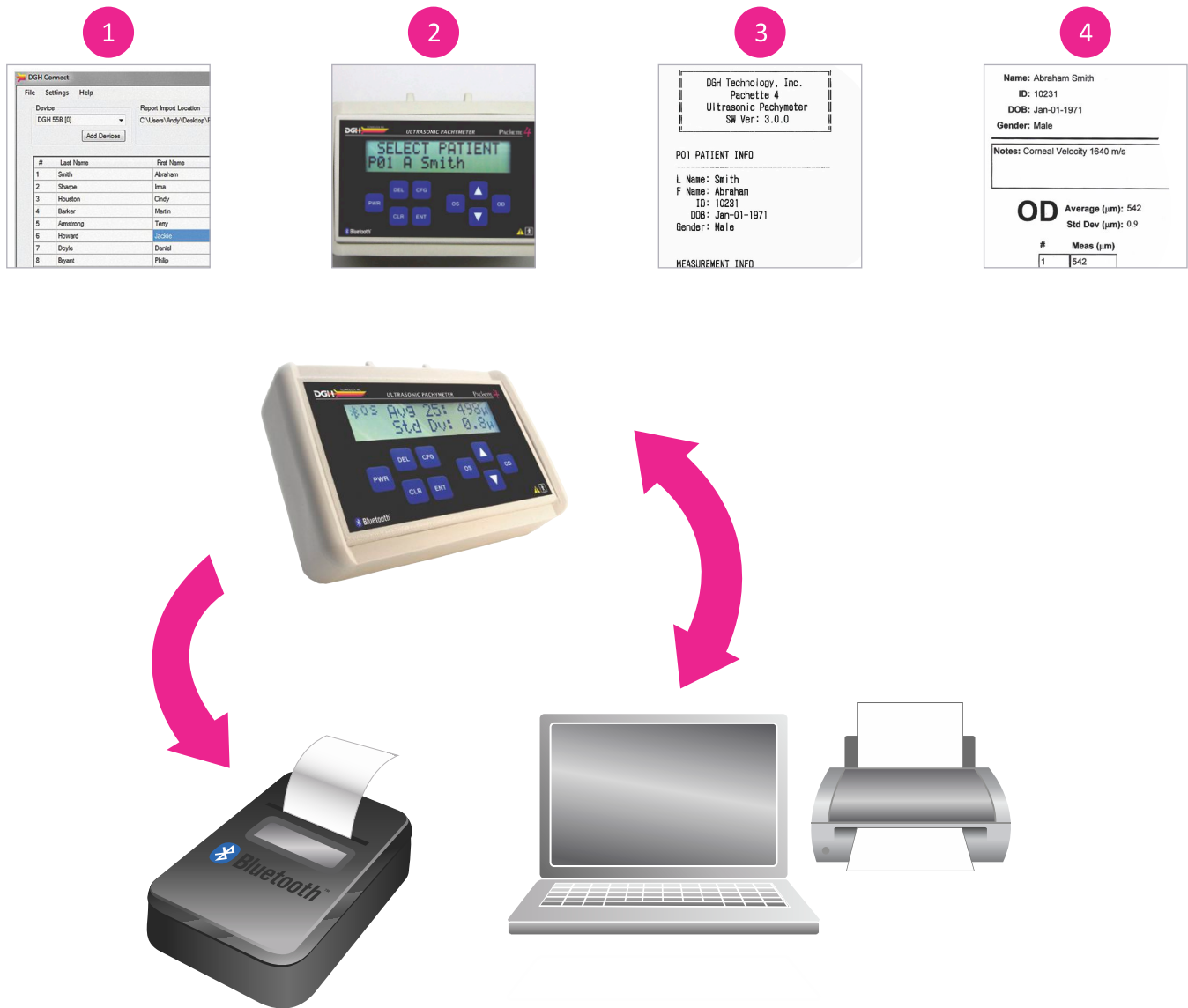
Pachette 4 is designed for performance, portability and convenience while using limited counter space. The Pachette 4 is encased in a durable rubber holster with a built-in tilt stand. The Pachette 4 has a lifetime of 10 years and an industry leading warranty.





# Automatic Reports\*

1. **Input Patient Data:** Using the DGH Connect Software (Windows® PC), enter patient ID information for up to 20 patients and wirelessly transmit to the Pachette 4.
  2. **Acquire:** The Pachette 4 stores all patient ID information in its memory for reference when measuring patients.
  3. **Reports:** After the measurements sequence is complete, wirelessly transmit all results and patient information directly to a Bluetooth® enabled printer.
- OR
4. **Reports:** After measurements sequence is complete, wirelessly transmit all results and patient information back to the PC for report generation and printing.



\*Feature only available in Bluetooth® option devices.



# Specifications

<b>DGH 555B Pachette 4 Specifications</b>	
Measurement Range	200 to 1100 $\mu\text{m}$
Measurement Range (Flap Option)	95 to 1100 $\mu\text{m}$
Accuracy	$\pm 5 \mu\text{m}$
Internal Clock Accuracy	$\pm 0.002\%$
Resolution	1 $\mu\text{m}$
Power Management	Two (2) AA Batteries
<b>Unit Dimensions</b>	
Dimensions	6.3" (160 mm) L x 4.1" (104 mm) W x 2.2" (56 mm) D
Weight	1.4 lbs (635 Grams)
Probe Dimensions	3.5" (88.9 mm) L x 0.85" (21.59 mm) W x 0.25" (6.35 mm)
Connection Type	Bluetooth v2.0
<b>Software Features</b>	
Single Page Pachymetry Report or a Direct Thermal Printout via compatible Bluetooth® Printer (optional)	
<b>Software Application Requirements</b>	
Hardware Requirements	Intel i3 or higher, 2GB RAM or higher, 1 GB Freespace Bluetooth Radio v2.1 or higher, 1024 x 768 display resolution or higher
Operating System Requirements	Windows XP (32 bit) or higher (32 or 64 bit)

## DGH Ultrasound Family



**FLEX A/B/UBM**



**Pachmate 2**



**Pachette 4**



**DGH 8000**



**DGH 6000**



DGH Technology, Inc. is globally recognized as a leader in developing and manufacturing ultrasound diagnostic equipment, and we have been serving eye care professionals since 1982. We are a multigenerational family company and we have operated with the same core values and integrity since our inception.

DGH has made building trust a priority by offering reliable products and strong customer support. We value our customers and use their feedback to develop innovative products that fit their needs. Eye care professionals across the world receive the same personalized and full-service experience.

DGH has maintained our worldwide reputation by continuing to introduce innovative products that anticipate the future needs of eye care professionals, while maintaining the quality and reliability of our already existing products. Since 1982, we have shipped over 40,000 products worldwide.

Find out more about us on [dghtechnology.com](http://dghtechnology.com)

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