



**AMCON**  
**DIGITAL PD METER**  
**USER'S MANUAL**  
***EQ-6000***

**AMCON** The Eyecare Supply  
**C** ENTER®

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# AMCON The Eyecare Supply C E N T E R

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## 1. Introduction

Thank you for purchasing the Amcon Digital Pupilometer. The Amcon Digital Pupilometer is used to measure a patient's interocular pupil distance. The instrument is compact and lightweight with a modern, ergonomic design and an easy to read digital display. It offers many features such as a memory lock, simultaneous viewing of monocular and binocular readings as well as near and far distance calculations from just one reading. This pupilometer measures PD's from 45-82mm.

Please read these instructions and keep this manual in a convenient location for future reference.

**WARNING:** Never attempt to operate this instrument before you have thoroughly read and understand all of the instructions.

## 2. Recommendations

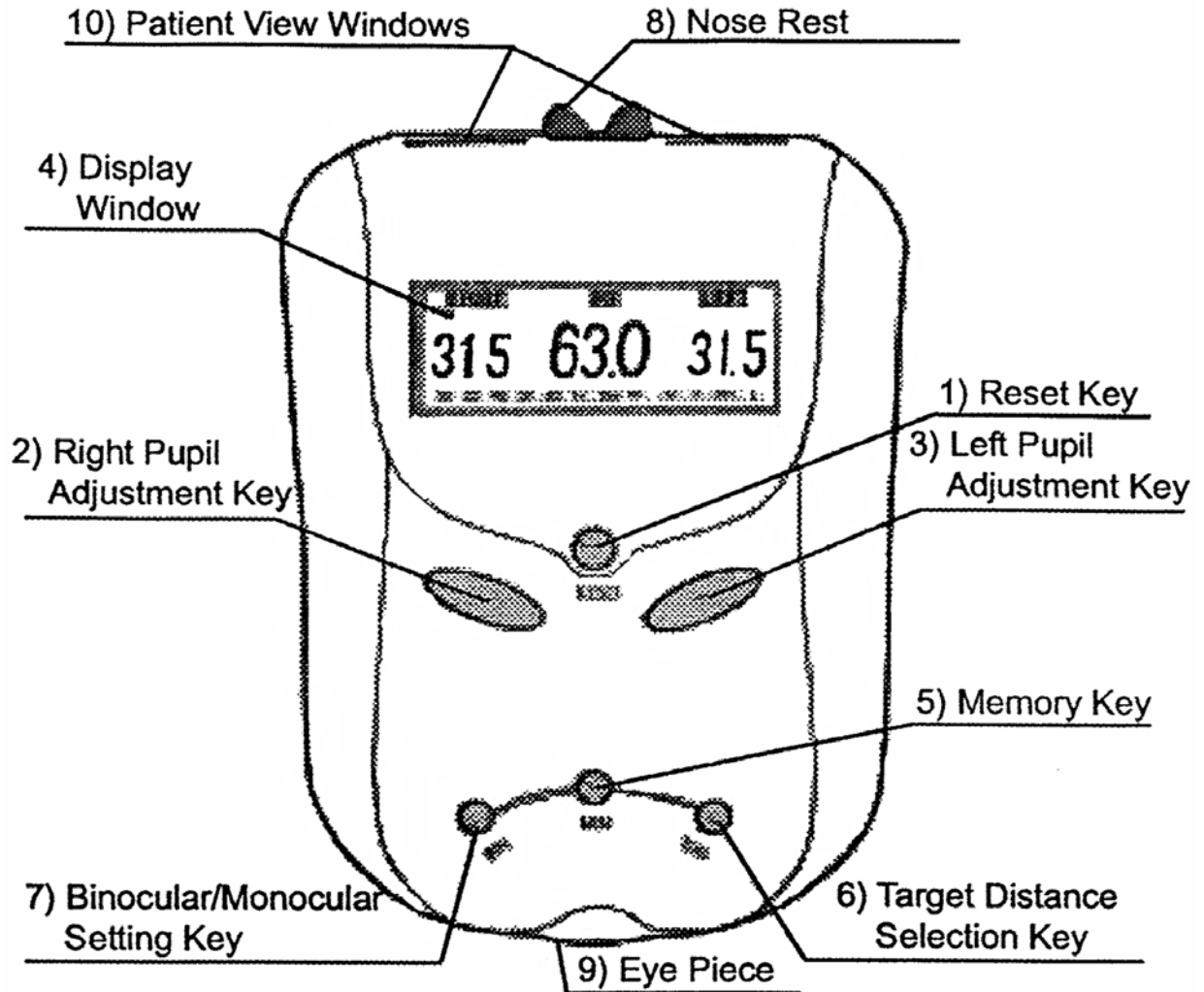
To ensure safe use of this product, it is important that you follow the instructions outlined in this manual and marked on the product.

- Please read this user's manual before you operate your pupilometer. Save this user's manual for future reference.
- Avoid storing or using it in areas where there is excessive heat or cold.
- Avoid placing the machine in direct sun light.
- Avoid using chemicals to clean the pupilometer, doing so may cause damage.
- Do not disassemble any part of the unit except the parts that are explained in this manual. Doing so will void all warranties.
- Remove the batteries when the unit is not in use for a long period of time.
- Use only quality alkaline AA batteries.
- Wipe the nose rest and germ guard after every use.
- Do not touch surface of window glass.
- Fingerprint, dust, or stain should be cleaned with absorbent cotton dipped with mixed solutions of alcohol and ether.

### 3. Specifications

Data Range	Binocular PD	45 – 82 mm
	Monocular PD	22.5 – 41 mm
Measurement Increments		0.5 mm
Target Distance		30 cm - $\infty$
Power Supply		4 AA Batteries
Auto Shut Off		1 minute
Size		8½" x 6⅓" x 2⅓" (212 mm x 158 mm x 58 mm)
Weight		1.2 lbs. (0.55 kg)

## 4. Components



- 1) Reset Key: Press this key to turn on pupilometer.
- 2) Right Pupil Adjustment Key: Adjusts the right pupillary distance pointer in .5 mm increments.
- 3) Left Pupil Adjustment Key: Adjusts the left pupillary distance pointer in .5 mm increments.
- 4) Display Window
- 5) Memory Key: Press once to store current reading and press again to clear.
- 6) TDIS (Target Distance Selection) Key: 30 cm to  $\infty$
- 7) Binocular / Monocular Setting Key
- 8) Nose Rest
- 9) Eye Piece
- 10) Patient View Windows

(Not shown)

Battery Compartment: One on either side of unit (each holds 2 AA batteries).

Germ Guard: On bottom of unit, release to provide separation between practitioner and patient.



## 5. Operation

Before using the pupilometer, review the instrument components on the previous page. Make sure that batteries are installed and are in operating order.

1. Turn the pupilometer on by pressing the RESET button.
2. Select a target distance by pressing the TDIS button. Options are 30, 35, 40, 50, 65, 1m, 2m and  $\infty$ . The setting is viewed on the lower portion of the digital display.
3. Select the binocular or monocular setting using the BIN button. Options include left (L), right (R) and binocular (BIN). The setting is viewed on the lower right hand corner of the digital display.
4. Instruct the patient to hold the pupilometer up to their eyes the same way they would binoculars. Make sure their nose is on the nose rest. If desired, release germ guard located on the bottom of the pupilometer.
5. Instruct the patient to stare at the Red or Green Bull's-eye through the view windows.
6. Look through the eyepiece. Using the left and right eye control buttons, slide the vertical PD lines over the patient's retinal reflections. (The pinpoint of light located inside the pupil.)
7. Press the memory button to store the readings.
8. Transfer the readings onto the patient's records.
9. Select other PD measurements desired by pressing the TDIS button. The pupilometer will automatically calculate the patient's PDs at all other distances.