

## Amcon Digital Pupilometer EQ-6310

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 breath shield after every use.
- Do not touch surface of window glass.

### Specifications

Data Range .....	Binocular PD 45 – 82mm
.....	Monocular PD 22.5 – 41mm
Measurement Increments.....	0.5mm
Target Distance .....	30cm - ∞
Power Supply .....	1 - AA battery
Size .....	9-1/16" x 6-11/16" x 24-13/32"
	(230mm x 170mm x 620mm)
Weight .....	1.5 lbs (0.7 kg)

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**1-800-255-6161 • Fax: 1-800-397-0013**  
**amconlabs.com**



# Amcon Digital Pupilometer User's Manual EQ-6310

Thank you for purchasing the Amcon Digital Pupilometer. The Amcon Digital Pupilometer is used to measure a patient's interocular pupil distance.

### *Features:*

- Adjustable LED light source
- Range of focal distance from 30 cm to infinity
- Slide adjustment for greater accuracy
- 45 to 82mm binocular PD. 22.5 to 41mm monocular PD
- Graduated in .5mm steps

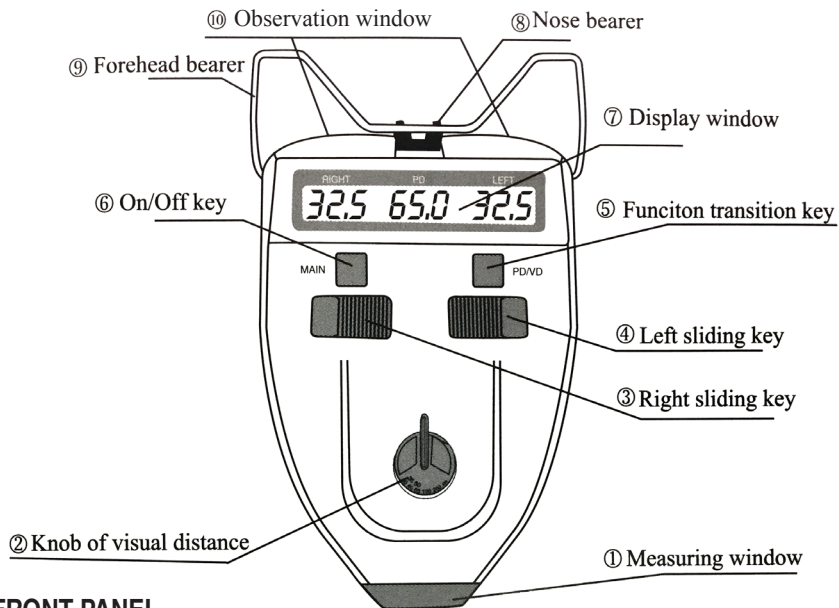
**WARNING:** Never attempt to operate this instrument before you have thoroughly read and understand all of the instructions.

**AMCON**  
The Eyecare Supply Center®

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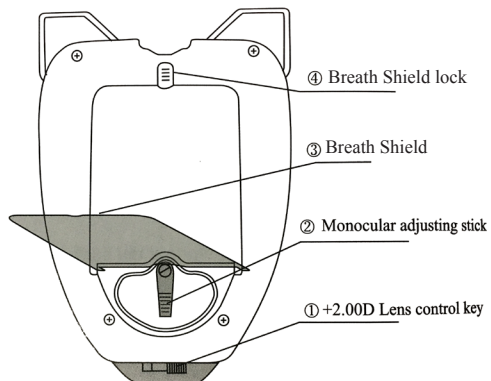
[www.amconlabs.com](http://www.amconlabs.com)

## Instrument Components



### FRONT PANEL

1. **Measuring window:** for optometrist
2. **Knob of visual distance:** the range of distance is from 30cm to infinity
3. **Right sliding key:** adjusts the right PD value
4. **Left sliding key:** adjusts the left PD value
5. **Function transition key:** set brightness of LED, automatic shut-off & precision of measurement
6. **On/Off key**
7. **Display window**
8. **Nose piece**
9. **Forehead rest:** forehead rest to assist orientation of pupils
10. **Observation window:** serves as a focal point for patients



### REAR PANEL

1. **+2.00D Lens control key:** adjusts from 0 to 2.00 D
2. **Monocular adjusting stick:** test monocular PD
3. **Breath shield**
4. **Breath shield lock**

## Operating Instructions

1. Turning on: Press the On/Off button (main)
2. Select a target distance by adjusting the dial on the front panel. Options are 30, 35, 40, 50, 65, 1m, 2m and  $\infty$ . The setting is viewed on the display window.
3. Instruct the patient to hold the pupillometer up to their eyes the same way they would binoculars. Make sure their nose is on the nose rest. If desired, release breath shield located on the bottom of the pupillometer.
4. Instruct the patient to stare at the green bull's-eye through the view window.
5. Look through the measuring window. using the left and right sliding keys, slide the vertical PD lines over the patient's retinal reflections (the pinpoint of light located inside the pupil).
6. Transfer the readings onto the patient's records.