

PM-700 Specifications

Measurement method	Adjusting to the corneal reflection type
Measurement range	47.0 to 83.0 mm (23.5 to 41.5 mm per eye)
Viewing distance	1 m
Distance setting range	30 cm, 35 cm, 40 cm, 50 cm, 65 cm, 100 cm, 200 cm, and ∞
Hairline	0.25 / 0.5 mm increments
Indication increments	0.1 / 0.5 mm increments
Illumination light source for fixation target	LED
Display method	LCD
Monocular occlude function	R/L button allows selection of right eye occlusion, left eye occlusion, and binocular open. Liquid crystal shutter is used.
Auto-off function	The fixation target goes off automatically after 15 seconds of idle time. After the fixation target goes off, 3 minutes or more of idle time turns off the power.
Power source	AA alkaline battery* LR6 (x 2)
Dimensions / Mass	147 (W) x 235 (D) x 60 (H) mm (exclude forehead arm) / 560 g (exclude batteries and strap) 5.8 (W) x 9.3 (D) x 2.4 (H) mm (exclude forehead arm) / 1.2 lbs. (exclude batteries and strap)
Standard accessories	AA alkaline battery (x 2), hand strap, spare nose pad
Optional accessory	Neck strap

*Rechargeable Ni-MH batteries are also available.



PD Meter
PM-700



CE Mark for this product is pending.

Specifications may vary depending on circumstances in each country.
Specifications and design are subject to change without notice.



Eye & Health Care

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Intuitive design and refined accuracy

The Pupillary Distance Meter PM-700 provides ease of holding and accurate measurement. While retaining useful features of conventional PD meter, NIDEK has continued to make sincere efforts for innovation.

Stability as Standard

The main body is fixed by using a forehead arm that is fitted as standard to the PM-700 and it prevents the device from moving, which would effect the measurement.



Binocular / Monocular PD Measurement

Binocular / monocular PD measurement is possible with a simple click of a button.

More Precise Hairline Setting

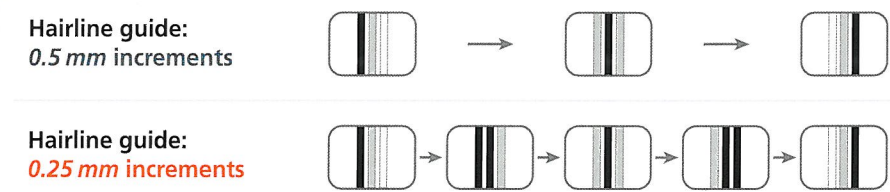
The hairline of 0.25 mm increments is newly adopted, it is now easier to match the corneal reflection point. It is also possible to change to the 0.5 mm increments same as the previous model by setting the parameter.

Auto PD Calculation with One Measurement

The PD is automatically calculated at a viewing point distance from 30 cm to infinity with one measurement in 0.1 mm increments. The PM-700 can display 0.5 mm increments as the previous model (PM-600), depending on the customers' needs.

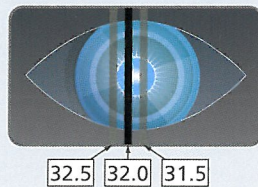


Corneal reflection point Hairline



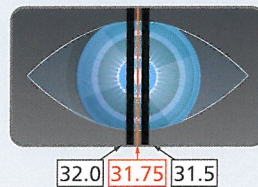
Measurement Example

Hairline increments: 0.5 mm



32.0 mm
Display increments: 0.5 mm

Hairline increments: 0.25 mm



31.8 mm
Display increments: 0.1 mm

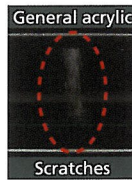


Original Coated Measuring Window

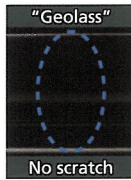
NIDEK's original clear acrylic sheet, "Geolass*", with highly functional hard coating is used for the measuring window. This makes the window highly durable with good resistance to abrasion, smudging and fogging.

* Please visit our web site for more detail information.

Appearance after abrasion test



General acrylic
Scratches
Steel wool: #0000, 1.5 kg load



"Geolass"
No scratch

Appearance after marking



General acrylic



"Geolass"

Apply the ink with marker by Zebra Co., Ltd.

Stable Grip Design

The PM-700 is a redesigned product which is conscious of ergonomics and its design makes it easy to hold and reduces the risk of dropping. By placing the switch measurement type button in the center, it is easy to hold the device in a reasonably horizontal position. Furthermore, a hand strap and optional neck strap minimizes the risk of dropping.



Digital Display

The new digital display achieves an ideal layout with superior visibility.

Long Life Power

Through a review of the internal structure, a running time has been achieved which is about three times longer than the previous model (PM-600). Additionally, in consideration for the environment, it also supports a rechargeable battery that can be re-used repeatedly.

Model	Quantity	Life time
PM-600		
PM-700		

Low Maintenance Light

By adopting an LED fixation light, lamp replacement is no longer necessary and power consumption is also reduced. This has become reduced maintenance frequency.

Auto-off Function

The internal light source is turned off after 15 seconds when the device is not being used and then the power will turn off automatically after 3 minutes.