

TECHNICAL DATA SHEET

Ophthalmic Medical Eye Testing Comfortable Rebound Tonometer YSYYJ800

Comfortable Rebound Tonometer for Medical Eye Ophthalmic Tests

Features:

Rebound tonometer, also known as impact tonometer, adopting an innovative sensing rebound technology. The probe will be magnetized when being inserted into the tonometer and generates N/S poles. An transient current in the solenoids of the device (lasting about 30 milliseconds) produces an transient magnetic field that causes the magnetized probe to move towards the cornea at 0.2m/s (homopolar repulsion principle). The probe bounces on the anterior surface of the cornea, slowing down and

rebounding. If the ocular pressure is increased, the deceleration of the probe increases, and the duration of the impact decreases.

The electrical control switch monitors the solenoid voltage caused by the rebound of the magnetized probes, and the electrical signals processors and the microprocessors calculate the deceleration of the probe after impacting the cornea. Finally the integrated information is converted into ocular pressure readings.

Rebound tonometer is an electric measuring type pressure gauge which converts the pressure into the voltage or current signal through the physical characteristics of the metal.

Tonometer can obtain the measurement data within 0.1 seconds.

Applicability:

1. Used in tonometry tests by ophthalmologists, optometrists, general physician, professional health advisors.
2. Better for patients with dementia, mobility problems and children in the measurement of cornea edema, opacity or uneven cornea surface.
3. Handy of glaucoma patients in measuring ocular pressure at home.

Usage:

1. Turn on the tonometer and install the probe.
2. Move the machine close to the eyes and adjust the distance
3. Gently press the button and obtain the single measurement values and average values in several times.

*Short measuring time, only seconds.

*Reduce the check time for glaucoma.

*Capable of storing the ocular data of some ten patients.

Measuring Current

0-6A

Measuring Voltage

DC3V

Measuring Range

3mmHg~70mmHg

Weight

300g

Max Probe Speed

0.2m/s

Product Dimensions

110mmx190mmx30mm

Package Dimensions

240mmx280mmx90mm

Working Temperature Range

+5°C~+40°C

Working Humidity Range

≤80%

Working Atmospheric Range

700 hpa~1060hpa

Storage Temperature Range

-20°C~+55°C

Storage Atmospheric Range

500 hpa~1060hpa

Storage Humidity Range

≤95%

Accuracy Class(3mmHg≤intraocular pressure≤25mmHg)

±1.5mmHg

Accuracy Class(25mmHg≤intraocular pressure≤70mmHg)

±2.5mmHg

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Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.