

diaton

diaton tonometer provides high reliability of measuring results and makes it possible to diagnose glaucoma on the early stage, appoint necessary treatment and medicines.

The unique methodology of intraocular pressure measuring through the eyelid applied in the device provides new resources in ophthalmotonometry, simplicity and safety of tests.

Transpalpebral diaton tonometer is effective and irreplaceable in various situations:

- screening examinations of the patients
- IOP control during selection of adequate medicines
- IOP measuring in the presence in a patient of chronic conjunctivitis, erosions, edema and cornea dimness
- IOP measuring in patients after corneal surgeries
- ophthalmotone day monitoring
- IOP measuring in immobilized patients and in children
- IOP measuring during contact correction (lenses are not taken out).

New **diaton** tonometer has a number of indisputable advantages in comparison with the tonometers traditionally used in clinical practice.

Features	diaton	Goldman Tonometer	Shiotz Tonometer	Air-Jet	Tonopen
No contact with the cornea	+				
Portability	+		+		+
Displays independence from cornea's crookedness	+				
Digital IOP indications	+			+	+
Measurement in reclining position	+		+		+
Measurement in sitting position	+	+		+	+
Short-time measurement	+			+	
Sterilization is not required	+			+	
Anesthesia is not required	+			+	
Lasik / PRK measurement	+				

SPECIFICATIONS

Measurement range, mm Hg	5-60
Measurement error	Limit of the admissible measurement error in the range, not more: from 5 to 20 mm Hg - ± 2 mm Hg; from 20 to 60 mm Hg - $\pm 10\%$
The time of a single measurement, s, not more	3
Supply voltage, V	3
Number of measurements using one battery set, not less	1500
Service life, not less	8
Weight, g	89
Dimensions, mm, not more	174 x 26 x 20

Method for measuring the intraocular pressure through the eyelid and device for realizing the same are protected with the Patent of Russia № 2123798, United States Patent № US 6,394,954 B1 and Patent of Japan № 3593314.

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