eyerobo®

CNT-100

Non-Contact Tonometer

Company: Guangzhou Eyerobo Medical Devices Co., Ltd.

Tel: 400-090-1800

Product Introduction

The non-contact tonometer uses an algorithm-controlled air pulse to project gas onto the central corneal surface. By collecting the corneal reflection signal and processing it with proprietary algorithms, it calculates intraocular pressure (IOP). Accurate IOP measurement is essential for early diagnosis of glaucoma and provides critical support for clinical decision-making. Key components include the corneal alignment system, fixation system, air-pulse control system, and signal acquisition system.

Clean interface with clear result output

Safety limit function to ensure maximum measurement safety

Corneal thickness compensation for more precise measurements

Customer information management for easy access to historical records and maintenance

Interface Highlights

01

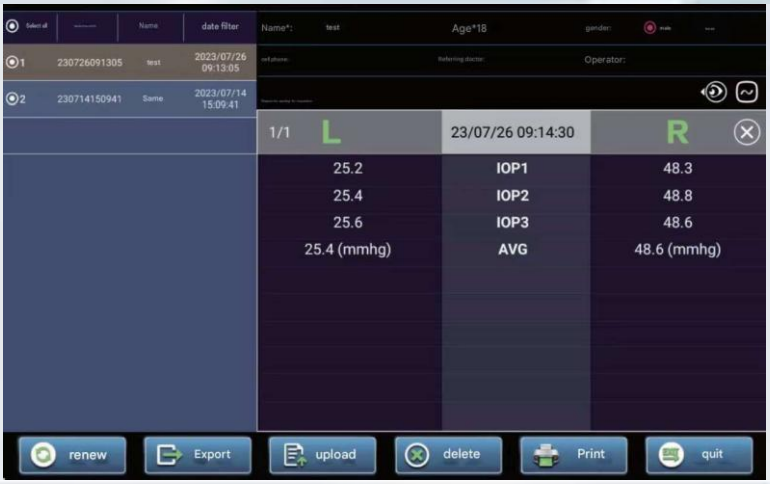
Small-Range Auto Tracking
Smoother measurement workflow

02

Corneal Thickness Compensation
More accurate IOP measurement

03

Comprehensive Database
Detailed record of measurement history and IOP trend monitoring



Brand	eyerobo
Model	CNT-1000
Measurement Range	0~60 mmHg (0~7.8 kPa)
Range Setting	30mmHg / 60mmHg
Measurement Accuracy	0.1 mmHg (0.013 kPa)
Working Distance	11 mm
Moving Range	X: 86 mm, Y: 44 mm , Z: 24 mm
Air Pulse Peak Pressure	≤82.5 mmHg (11 kPa)
Measurement Method	Manual + Small-Range Auto
Measurement Times	1 Time / 3 Times
Alignment Method	In small-range auto mode, a deep-learning model locates the eye and uses the pupil-center reflex point for precise focusing.
Corneal Thickness Compensation	Supports manual entry and automatically calculates compensation.
Data Processing	Low-confidence data are filtered based on the measurement waveform. When 3 measurements are taken, a weighted average is applied to produce the final result.
Data Storage	Built-in case system allows tracking of historical data and displays trend curves. Data can be exported in table format.
Printer	Built-in thermal printer with automatic paper-cutting function.