Non-Contact Tonometry in Just One Step

Deliver an effective path to evaluating ocular conditions that affect the pressure inside the eye, such as Glaucoma, with a non-contact tonometer. The TX-20 Tonometer employs a delicate air puff to enhance patient comfort. And since patient positioning is a priority when the Safety Alert is set, the TX-20 Tonometer automatically prevents the optical head from making physical contact with the patient.

The Canon TX-20 Full Auto Tonometer
Uses Soft Air Puff & Position Safety Alert

**GENERAL**
- **Type** Non-Contact Full Auto Tonometer
- **Auto Function** 3D Auto Alignment, Auto Shooting
- **Alignment Mode** Full Auto/Auto/Manual
- **Selectable Measurement Times** 3/2/1
- **Working Distance** 11 mm From the Front of Nozzle
- **Interface** Input ID: USB
- **Output ID** LAN, RS-232C
- **Display** Tiltable 5.7 inch TFT LCD
- **Joystick** Single-Axis (Electrical)
- **Built-In Printer** Thermal Line Printer with Auto Cutter
- **Operation Range** Front/Back: 40 mm
Left/Right: 90 mm
Up/Down: 30 mm
- **Chin Rest** Up/Down: 60 mm (Electrical)

**NON-CONTACT TONOMETER**
- **IOP Measurement Range** 0 to 60 mmHg
- **Includes Automatic Shifting Between 30/60 mmHg Measuring Increment** 1 mmHg
- **Eye Fixation Target** Internal Fixation Light /External Fixation Light

**ELECTRICAL AND ENVIRONMENTAL**
- **Power Supply** AC 100-240V 50/60 Hz 0.8-0.4A

**PHYSICAL CHARACTERISTICS**
- **Dimensions (W x L x H)** 10.2 x 19.3 x 19.7 inches (260 x 490 x 500 mm)
- **Weight** Approximately 33 lbs (15 kg)

Specifications are subject to change without notice.

**COMPONENTS**
- Main Unit
- N00011 (1)
- Chin Rest Paper (100 sheets)
- Printing Paper (2 rolls)
- Power Cable
- Dural Case
- Tissue Care

**OPTIONAL ACCESSORIES**
- Chin Rest Paper
- Printing Paper

**EB-021 Rev. A**

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The Canon TX-20 Full Auto Tonometer provides an array of features and technology to help expedite the exam process. Measure Intraocular Pressure (IOP) easily and efficiently with a soft air puff designed to enhance patient comfort; all in a compact, lightweight unit that can easily be transported and installed.

Key Features

Selectable Measurement Modes
The three-dimensional tracking system of the TX-20 Tonometer features a wide range of movement, so that the examinee’s pupil can be detected easily. When in Full Auto mode, the unit is a one touch operation for IOP measurement for both eyes. Just press the start button and the tonometer automatically aligns and measures the intraocular pressure of both eyes. For added flexibility, Auto and Manual measurement modes are included.

External Fixation
For patients with central vision defects, the TX-20 Tonometer incorporates external fixation that can easily be activated from the LCD screen.

Compact & Lightweight
The TX-20 Tonometer is designed with comfort in mind — for both the operator and the patient. It comfortably fits on an instrument table with a Canon Non-Mydriatic Retinal Camera (each sold separately) to help streamline the exam process. And, at approximately 33 pounds, the TX-20 Tonometer is easy to transport and install.

Input & Output Modes
The TX-20 Tonometer provides data output using RS-232C and LAN connections, and data input using USB connections.

Multi-Functional Color LCD Monitor
The 5.7 inch color LCD monitor tilts 40° making the TX-20 Tonometer easy to use whether the operator is sitting or standing. The clear LCD display also includes multi-functional screen buttons allowing the operator to switch menus as needed.

Motorized Omni-Directional Joystick
Aligning the patient’s eye is made easier using the motorized Omni-directional joystick with a fine focus dial. All positioning may be performed with one hand allowing the other hand to work with the patient, if needed. The top of the joystick button includes the start button which can immediately be pressed once the patient is properly positioned.

Print-Outs & Fast Built-In Printer
Internal memory provides storage of up to 10 measurements for each eye, listing them in the order they were taken, or by reliability. A print-out can be setup to automatically print. The front loaded built-in printer includes an auto cutter, making it simple to remove the print-out. New paper rolls (sold separately) can easily be inserted through the feeder.

Visual Reliability & Indicators
When a reading cannot be made, the TX-20 Tonometer display will show a snapshot of the examinee’s eye along with the measurement error. The operator will know immediately whether it was an eyelid, eyelash or the eye being out of position that caused the error. The operator will then be informed on the next action to take such as adjusting the chin rest or limiter.

High Intraocular Pressure (IOP) Warning
Whenever high IOP is detected, a warning message is displayed. The operator can enter any threshold value on the unit’s settings screen to activate the warning system for that value.

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