



Model 30™ Pneumatometer

Precise tonometry, ocular pulse amplitude, and tonography measurements.

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The Reichert **Model 30™ Pneumatometer** is an easy to use instrument that provides fast and accurate tonometry and optional tonography functions. The probe tip, which floats on an air bearing, is gently touched to the anesthetized cornea and a precisely regulated flow of filtered air applies force to the tip. A small (5 mm diameter) fenestrated membrane permits the air to flow through vents in the tip until it conforms to the shape of the cornea. Increasing air pressure is continually applied to the cornea until the force being applied is equal to the pressure in the anterior chamber. When these forces are in balance a pneumatic sensor records the intraocular pressure. In pulse tonometry mode, the ocular pulse waveform is charted and recorded along with IOP.

Unique Methodology

The Model 30 Pneumatometer measures intraocular pressure noninvasively through applanation tonometry. A gentle, floating pneumatic sensor touches the surface of the anesthetized cornea with the exact amount of applanation force required to take the measurement.

Easy to Use

Doctors and technicians agree that the Model 30 Pneumatometer is easy to use. The all-new touch screen interface features an easy-to-use icon-based operating system enabling even inexperienced users to make measurements in seconds. The full color display guides the operator through the measurement process and displays readings. The optional footswitch (*available with the tonography kit – catalog number 16033*) makes obtaining measurements even easier, freeing the operator to concentrate on handling the sensor probe. The integrated chart strip printout can be placed in patient files as a record of the diagnostic procedure.

Multi-Modality

The Model 30 Pneumatometer provides ocular pulse amplitude measurements in addition to tonometry measurements. The optional tonography mode enables measurement of the aqueous outflow efficiency of the trabecular meshwork.

Clinically Trusted

The Model 30 Pneumatometer is trusted worldwide and is frequently the instrument of choice of specialists and researchers. Research indicates that measurements obtained with the Model 30 Pneumatometer are less affected by corneal properties than other methods of tonometry.



Specifications

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|-------------------|---|
| Dimensions | 14" W x 10.5" D x 5.25" H (35.6 x 26.7 x 13.3 cm) |
| Weight | 10 lbs (4.54 kg) |
| Air Pump | 14 PSI, 3,000 hour life |
| Probe | Pneumatic |
| IOP Range | 5 - 80 mmHg |
| Display | 4.3 inch, touch screen, color LCD TFT |
| Power | 100 V, 120 V or 230 V |

Catalog Numbers

| | |
|--------------|---|
| 16030 | Model 30 Pneumatometer 120 V |
| 16031 | Model 30 Pneumatometer 230 V |
| 16032 | Model 30 Pneumatometer 100 V |
| 16033 | Tonography Kit: includes 10 g weight and footswitch |

Accessories

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|---------------|---|
| 232349 | Probe Assembly (Includes Tip and Membrane assembly) |
| 230676 | Tip and Membrane Assembly 1/pk |
| 230677 | Tip and Membrane Assembly 3/pk |
| 230678 | Tip and Membrane Assembly 10/pk |
| 232348 | Chart Paper 2/pk |
| 232346 | Filter Maintenance Kit |
| 232373 | Calibration Verification Kit |



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ISO 9001 Certified
Reichert products are designed and manufactured under quality processes meeting ISO 9001 requirements.