TONO-PEN AVIA® Applanation Tonometer

Quick Reference Guide

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Proper set up of the Ocu-Film® tip cover is essential for the precision and accuracy of the tonometry measurement. The application procedure below should be followed. A new Ocu-Film tip cover must be used for each new patient.

Position the Ocu-Film applicator on the transducer.

Roll the Ocu-Film tip cover onto the Tono-Pen tip and remove applicator.

Too Taut | **Correct** | Too Loose

Be certain that the film is flat across the tip, but not too taut or too loose.

To initiate an IOP measurement, press and release the operating button once; you will see a brief display of [**88888**] as a self-test of the LCD. If any segments are not filled, please contact Reichert Technical Service at 888-849-8955.

When the TONO-PEN AVIA tonometer is ready to measure, the LCD will display a double row of dashes, [===] the green LED will light, and the device will beep.

Tap the sensor very lightly and briefly on the corneal surface. The TONO-PEN AVIA tonometer will chirp with each applanation, and the DATA field on the LCD will increment for each valid IOP reading obtained.

Note: *If upon pressing the operating button, the LCD display shows [dn], the TONO-PEN AVIA tonometer will need to successfully pass verification before a measurement can be obtained. See reverse side for verification instructions.*

When another beep tone is heard, indicating 10 applanations have been read, the LED will turn off, and the averaged IOP measurement will appear on the LCD above "mmHg". The statistical confidence indicator will appear on the LCD above "DATA". The higher the statistical confidence indicator, the more reliable the measurement.

If at least 6 but less than 10 applanations were obtained, the IOP will be displayed after a 4 second delay, along with the statistical confidence indicator. If 15 seconds elapse prior to applanation being initiated, the TONO-PEN AVIA tonometer will initate the sleep mode, indicated initially by the display of a single row of dashes [- - -], followed by a blank display. The applanation mode may be initiated by pressing the operating button.

980051 Rev D 08/11

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T E C H N O L O G I E S

Cleaning Instructions

The TONO-PEN AVIA tonometer may have difficulty taking measurements or display "bad" after a calibration when its tip is dirty and requires cleaning. When the tip of the tonometer has dirt and contaminants in the airspace between the sensor

and the housing, cleaning of the tip is necessary. When the airspace contains contaminants, the sensor cannot move freely and the tonometer may have erratic readings and then show a "bad" calibration.

To clean the tonometer, perform the following steps:

1. Remove OCU-FILM® tip cover from the tonometer, if one is installed.
2. Using canned air, place the sensor end of the tonometer against the outlet of the canned air as shown above.
3. Blow the canned air into the tip of the tonometer for approximately 3 seconds.

Note: It is necessary to blow canned air directly into the tip, so that the contaminants are pushed out of the airspace between the sensor and the housing.

4. After cleaning the tip of the tonometer with compressed air, the tip will be cold. Allow the tip of the tonometer to warm to room temperature.

5. Perform the tonometer calibration as indicated in the <u>TONO-PEN AVIA Verification</u> section of this Manual.

Note: If the tonometer does not calibrate "good", then repeat the above cleaning instructions. Do not clean more than 3 times in a row. If the tonometer still will not calibrate, contact Reichert.

Note: Always store the TONO-PEN AVIA tonometer with an OCU-FILM® tip cover installed to protect the tonometer tip from dirt and contaminants.

Note: Never use the TONO-PEN AVIA tonometer without an OCU-FILM® tip cover installed.

Suggested Cleaning Schedule

Number of Patients per Week	Number of Days Between Cleaning
10	30
100	15
300	7
600	1

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980051 Rev D 08/11