

Ocu-Film + Instructions

Proper set up of the Ocu-Film[®] + tip cover is essential for the precision and accuracy of the tonometry measurement. A new Ocu-Film + tip cover must be used for each new patient. Be certain that the film is flat across the tip, but not too taut or too loose.



Position the Ocu-Film + applicator on the transducer.



Roll the Ocu-Film + tip cover onto the tip.



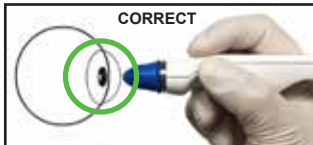
CORRECT

Remove the applicator.

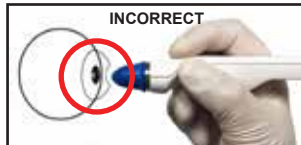
Taking an IOP Measurement

To take a measurement, press the button once. **[8888]** will briefly be displayed, followed by a double row of dashes **[====]**, indicating the Tono-Pen is ready to measure.

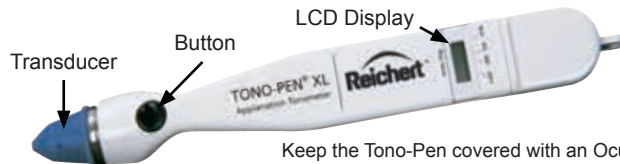
The corneal surface needs only to be momentarily contacted. **Indentation or excessive pressure is not required and may lead to injury to the eye.**



CORRECT



INCORRECT



Keep the Tono-Pen covered with an Ocu-Film + tip cover at all times, even in storage.

Calibration Procedure



Calibration must be successfully performed:

- Every day before the first patient measurement
- When batteries have been replaced
- After a **[bAd]** calibration
- Whenever the LCD displays **[CAL]**

Calibration can be performed with or without an Ocu-Film + tip cover.

1. Hold the Tono-Pen with the transducer end pointed straight down toward the floor.
2. Press the button **TWICE** within 1.5 seconds. The instrument will “beep” and the LCD will display **[CAL]**.
3. Hold the Tono-Pen steady for approximately 15 seconds until the device “beeps” and the LCD displays **[UP]**.
4. Quickly and smoothly flip the Tono-Pen up, so the transducer is pointing straight up.
5. A properly functioning Tono-Pen will display **[Good]** and the device will “beep”. Wait for the “beep” before touching the operating button again.
6. If **[bAd]** is displayed, repeat this calibration procedure.

Troubleshooting

Tono-Pen Will Not Take A Reading

- Tip may be dirty. Perform the cleaning procedure. If problem persists, send the pen in for service.
- Ocu-Film + may be installed incorrectly. Refer to *Ocu-Film + Instructions* on reverse.
- Use blue Reichert brand Ocu-Film + **ONLY**. Use of any other brand tip cover may affect readings and may void your warranty.
- If the above does not resolve the issue, **STOP** and send the unit in for repair.

Tono-Pen Asks to [CAL] Often

- Anytime the button is pressed twice within 1.5 seconds the Tono-Pen will enter into calibration mode.
- Tip may be dirty. Perform the cleaning procedure. If problem persists, send the pen in for service.

Tono-Pen Turns Off

- Unit is going into power saving mode. If no measurements are taken within 15 seconds, the Tono-Pen will go into battery saving mode. Turn it back on by pressing the button once.
- Batteries may be low. Replace the batteries, then perform the calibration procedure.
- If [CAL] is seen followed by a single row of dashes [----], the pen needs to be calibrated. Press the button twice to initiate calibration. [CAL] should appear and stay on the screen. If [----] appears, press the button twice, either faster or slower, until [CAL] stays on the screen.

Tono-Pen Calibrates [bAd]

- Tip may be dirty. Perform the cleaning procedure no more than 3 times consecutively. If problem persists, send the pen in for service.
- Pen is being flipped up too slowly. The pen should be turned up quickly and smoothly when [UP] appears.

Cleaning Procedure

1. Remove the Ocu-Film + tip cover.
2. Hold the tip of the Tono-Pen against the nozzle of a can of compressed air.
3. Blow air into the tip for approximately **3 seconds**. Do not perform more than 3 times consecutively.
4. The tip will be cold; allow the tip to warm to room temperature.
5. Perform the calibration procedure after cleaning.

Cleaning Tip



Cleaning Schedule

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

Tono-Pen Service

- Go to www.reichert.com/rma
- Fill out the RMA request form.
- An RMA will be sent to you via email.
- Send in your instrument, inside the protective carrying case, with a copy of the RMA.