

AT870 Calibration Check

7.4 Checking the Tonometer AT 870



NOTE!

This check must be carried out once a month. If the check yields erroneous results, please check the following points:

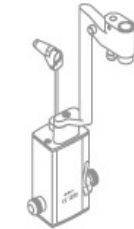
1. Is the measuring prism properly positioned?
2. Is the control weight correctly set?
3. Repeat the check.

Defective equipment must be sent immediately to your HAAG-STREIT representative.



NOTE!

HAAG-STREIT offers a repair and service package. For further information, please contact your HAAG-STREIT representative directly.



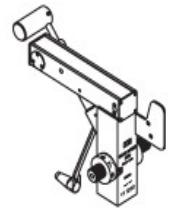
AT 900 model R



AT 900 model T



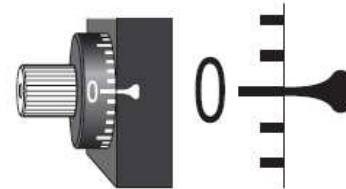
AT 900 model BQ



AT 870

Check the drum position 0

In working position, the feeler arm is swivelled and the measuring drum is set to 0. The arm carrying the measuring prism must swing freely between the limit stops on contact.



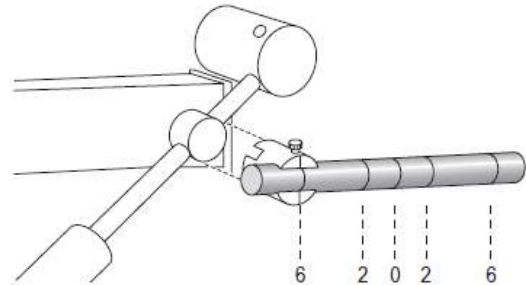
Check the drum position 2



NOTE!

This is the most important test because measurement of inter-ocular pressure in this area is of critical importance.

- The control weight is to be used for this inspection. The weight rod is engraved with five rings. The middle ring corresponds to a scale value of 0, the rings immediately to its left and right correspond to a value of 2, and both outside scale rings have a value of 6.
- A mark corresponding to the measuring drum setting 2 is set exactly to the index mark on the weight holder, whereupon the weight is fitted on the tonometer axis so that the longer part points in the direction of the patient. The feeler arm must move towards the patient.

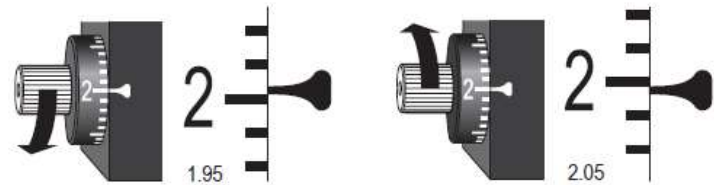


- Check position 1.95

Move calibration mark 2 on the measuring drum downwards, opposite the fixed index, by a width of one marking. With light pressure to the feeler arm in the direction of free movement, the feeler arm must start to move independently towards the limit stop in the direction of the examiner.

- Check position 2.05

Move calibration mark 2 on the measuring drum upwards, opposite the fixed index, by a width of one marking. The feeler arm must start to move into direction of the stop-piece on the patient's side.



Check the drum position 6

Set the weight rod to 6 on the scale, the longer part points to the patient.

- Check position 5.9

The check point is at 5.9. Move the measuring drum's calibration mark 6 downwards, opposite the index, by a 1/2 interval.

The feeler arm should move towards the examiner.

- Check position 6.1

The check point is at 6.1. Move the measuring drum's calibration mark 6 upwards, opposite the index, by a 1/2 interval.

The feeler arm should move towards the patient.

