

MFD-2451-IOL

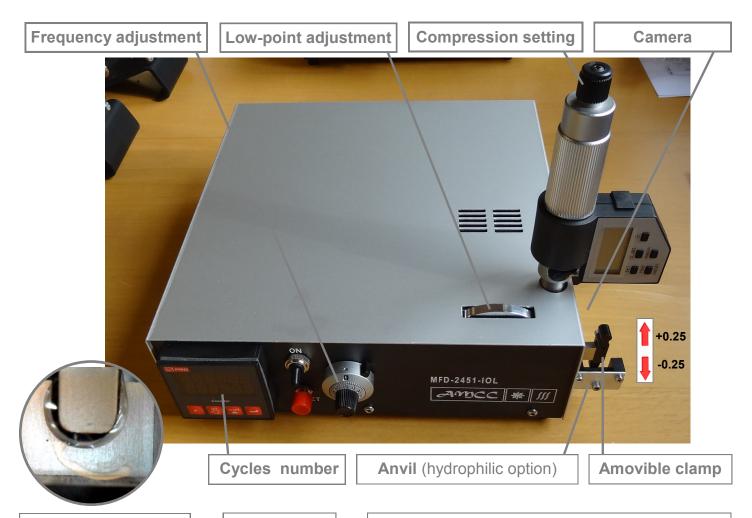
Intraocular lenses - Dynamic fatigue durability test

ISO 11979-3 appendix G

Dynamic fatigue durability tester, in accordance with the ISO 11979-3 annex 4.10 All loops shall be capable of withstanding, without breaking, $250\ 000$ cycles of near-sinusoidal deformation of $\pm\ 0.25$ mm around the compressed distance.

The cycle frequency shall be adjusted according to the reactions of each implant.

No loop tested shall break before the end of the test.



Amovible clamp IOL

Procedure:

- 1 Clamp the IOL's body on the mobile arm.
- 2 Adjust the low point
- 3 Compress the IOL to the theoric dimension by means of the micrometric screw.
- 4 Adjust the frequency according to the reaction of the implant.
- 5 Start the 250 000 compression cycles on the haptic
- 6 Check periodically whether the IOL's loop has not broken.

For the hydrophilic materials, fill the cuvet with saline solution.

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