

Intraocular lenses - Dynamic fatigue durability test

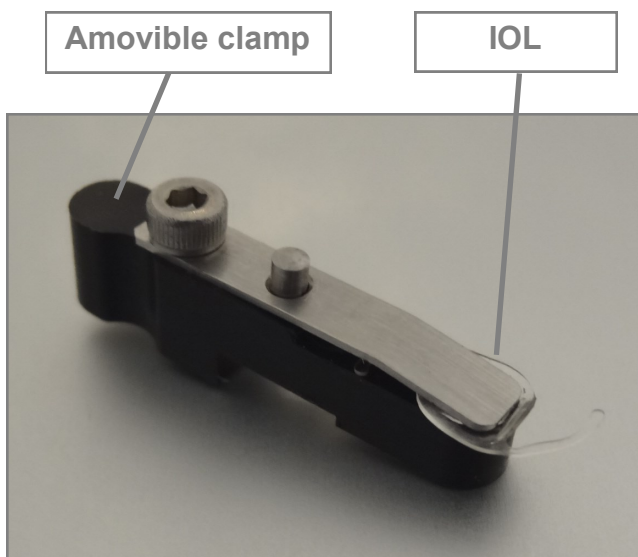
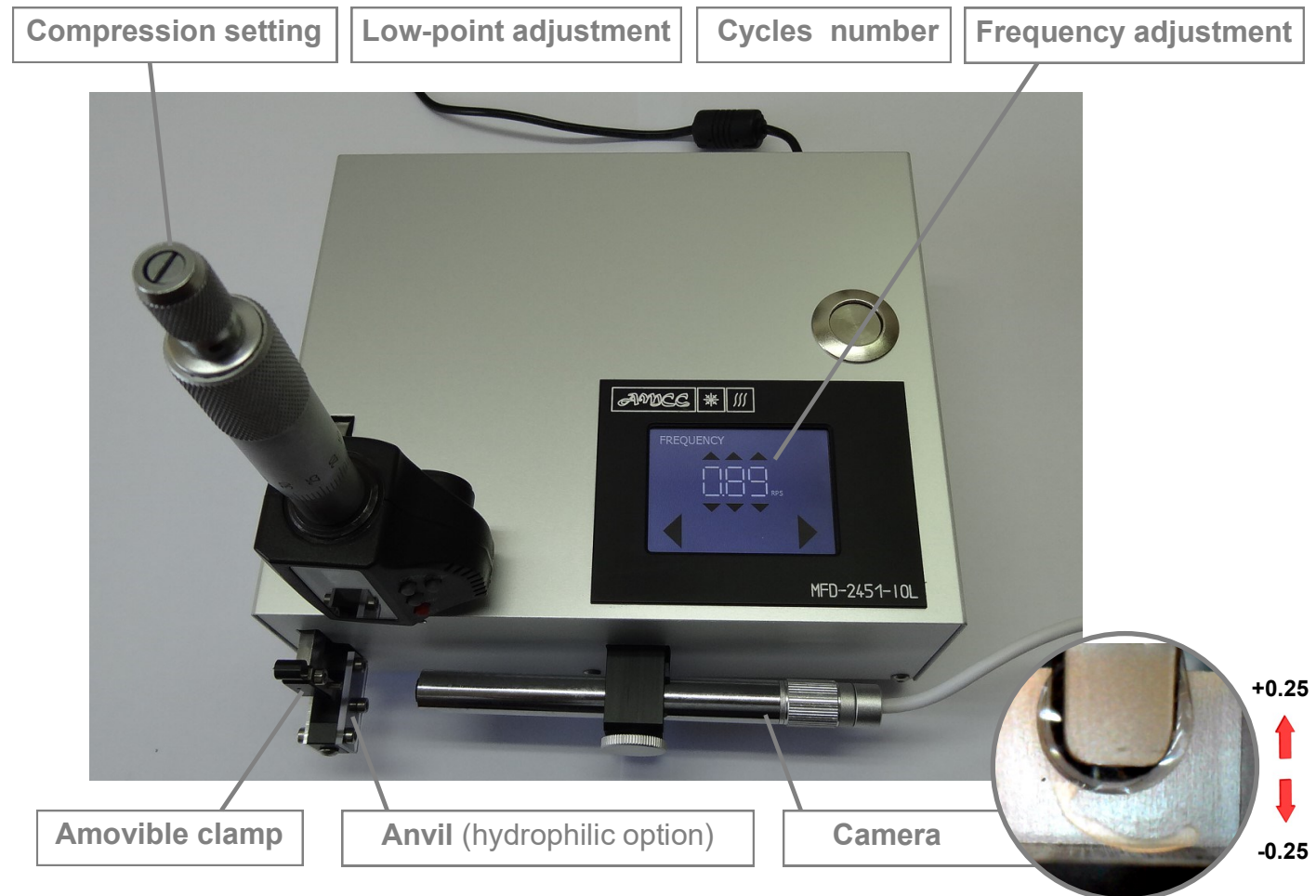
ISO 11979-3 appendix G

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.



Procedure :

- 1 - Clamp the IOL's body on the mobile arm.
- 2 - Adjust the low point
- 3 - Compress the IOL to the theoretic 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.