

# A.R.C. LASER

MADE IN GERMANY ○ ● ●



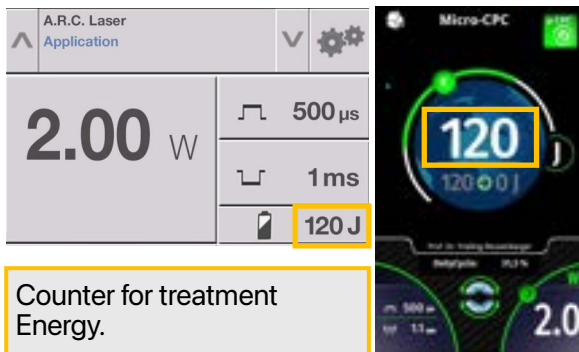
## μCPC (Microsecond pulses cyclophotocoagulation) Quick Guide

### Treatment parameters:



	Pre-settings		
Power	2.0 W		
Pulse duration	500 μs	Resulting Duty Cycle	33.3 %
Pulse pause	1 ms		
Total energy	120 J -140 J ( <i>Sanchez et al</i> )		

### Userinterface FOX 810 I FOX IV 810

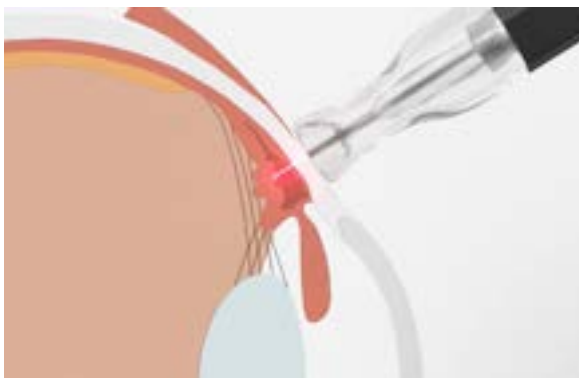


### Patient preparation:

Application of local or general anesthesia.  
Peribulbar block or analgo-sedation.

### Treatment preparation:

Application of viscoelastic to the sclera and in the probe reservoir.



It is important, that sufficient amount of viscoelastic is applied in the reservoir of the probe and at sclera. Pay attention to correct speed and total amount of applied energy.

### Accessories:



μCPC Probe (HS11036s\_VE5)

Eye safety goggles (AS01033)

### Application:

Position probe edge close to limbus.

Continuously move the probe over the scleral surface in a swiping motion and pay attention to the correct speed—see details of treatment approach.\*

Avoid 3 and 9 o'clock positions.

Distribute energy evenly across both hemispheres or quadrants. The approach quadrant wise is recommended in case that it is difficult to move the probe along a complete hemisphere.

#### Hemisphere approach:

60-70 J per hemisphere  
6 - 7 passes  
10 J per pass

#### Quadrant approach:

30 J per quadrant  
6 passes  
5 J per pass



*\*If this motion is interrupted the risk of inflammations is increased*

### Post-treatment medication (exemplarily):

Anti-inflammatory ointment and drops  
Eye bandage



### Treatment effect:

The aim of the treatment is to shrink the ciliary muscle and not to destruct (coagulate) the processus of the ciliary body.

Based on this interaction, the trabecular meshwork is set under tension and the outflow of the aqueous humor is improved.

### Effectiveness and Safety:

- ✓ Mean IOP reduction: 40.5% (IOP reduction from 28.64 mmHg to 17.04 mmHg)
- ✓ Mean success rate: 80.2%
- ✓ Effective and safe method for lowering IOP
- ✓ Similar IOP reduction to CPC, but higher reduction than SLT treatment
- ✓ Repeatable
- ✓ Reduction of medication over 40 %

### Contraindication:

- ✗ Inflammation or infection of the eye
- ✗ Forms of Glaucoma not associated with increased ocular pressure (low-pressure glaucoma)
- ✗ Treatment of 3 and 9 o'clock position due to neurovascular structures
- ✗ Areas with implanted filtering or drainage devices as well as any area of thinned sclera
- ✗ Existing superficial bleeding that might absorb the laser radiation

Scan QR Code for more detailed information  
for the μCPC treatment also in comparison  
with CPC and treatment video.



[microcpc.arclaser.com](https://microcpc.arclaser.com)