

Aura PT

The Preferred YAG
Photodisruptor Laser System



CATARACT



Accuracy | Precision | Safety

 **LUMENIS**® | Vision
Enhancing Life. Advancing Technology.

Enhanced Patient Safety; Superior Technical Design

The Aura® PT™ Ophthalmic YAG Photodisruptor Laser System represents the latest YAG product offering from Lumenis - the market leader in ophthalmic laser technologies.

The preferred product for anterior-segment procedures such as laser iridotomy and capsulotomy, the Aura PT includes advanced specifications which make treatment fast and accurate for superior patient care.

Designed to be safe and easy to use, the Aura PT is the result of years of engineering and manufacturing expertise. The Aura's advanced features - a 16 degree cone angle, precision optics, adjustable posterior & anterior offset, high repetition rate and variable burst modes - allow you to perform capsulotomies on all types of intraocular lenses (IOL) with significantly lower risk of lens pitting. In addition, the superior laser cavity design enables more efficient tissue cutting at lower power and with fewer shots.

The Aura PT was designed with the busy, multi-physician practice, surgery center and outpatient clinic in mind. It truly offers ophthalmologists a YAG photodisruptor that is exceptionally robust and affordably priced.

Advanced Adjustable Offset

The Lumenis Aura PT features two defocus positions that can easily be changed with a roll of your finger, allowing for easy and safe focus correction exactly in front of, behind or precisely at the plasma break point.

With an adjustable laser focal point of up to 500 µm anterior or posterior to the aiming beam, the Aura PT offers the industry's highest flexibility rate. This allows ophthalmologists to treat patients on a case-by-case basis with more accuracy, precision and safety than ever before.

Such flexibility allows customization of the procedure based on each patient's IOL type and the type of the treatment performed.

This significantly reduces the risk of lens damage when treating anterior or posterior to the IOL or faster and safer results when performing iridotomy.



Optimal Energy Placement

The Aura's beam profile, laser cavity design and precision optics ensure low-energy plasma formation and minimal trauma to the eye. The unit's sophisticated focusing system ensures superior accuracy in energy placement when firing the laser, resulting in a gentler and highly-accurate outcome.

Enhanced Slit Lamp Optics

Advanced precision optics offer maximum visibility for more precise diagnosis and treatment. The Lumenis Converging Optical System - specifically designed for anterior segment procedures - ensures clearer visualization and greater comfort for the treating physician, even during extended procedures.

Improved Design

The Aura's compact and lightweight design optimizes the physician's working space, without compromising on the patient's comfort. A user-friendly control panel offers ready access to all operations and facilitates easy control over all system parameters. The ergonomically designed joystick with EZgrip™ coating provides you with full control of the device while fitting comfortably in your hand. The unit is operated through a laser-fire switch, conveniently integrated into the controlling joystick.

Fast Operation and Flexible Settings

With a 2.5 Hz repetition rate, the Aura is one of the fastest YAG Photodisruptors currently available in the market. Together with adjustable energy levels of 0.2 - 10 mJ, tissue disruption is faster and more accurate than ever before.

Lumenis Vision - Your Preferred Partner

Lumenis Vision is the world leader in laser technologies for ophthalmic applications. Our company offers the widest range of products, an unparalleled product support system, the largest global installed-base of ophthalmic laser products and the largest investment in research and development in our industry. Since introducing the first laser photocoagulator to ophthalmology in 1970, Lumenis Vision has focused on providing ophthalmologists with innovative laser therapies to preserve and improve the sight of patients worldwide.

Lumenis Vision is renowned for technological breakthroughs and a long list of industry gold standards. Our company pioneered the first argon laser photocoagulator for ophthalmology; the first approved marketer of Nd:YAG capsulotomy lasers; developed and introduced the breakthrough technology of multicolor photocoagulation along with the world's first Laser Indirect Ophthalmoscope (LIO); developed and brought to market the revolutionary SLT technology for managing POAG, and more.

Today, Lumenis Vision offers you the confidence of doing business with a company that is truly committed to ophthalmology and to meeting your needs.



Aura PT Specifications

Treatment Laser Type	Nd:YAG
Wavelength	1064 nm
Mode	Fundamental Q-Switched
Energy	Continuously adjustable from 0.2 to 10 mJ
Spot Size	8 µm
Burst Mode	1, 2, 3 pulses each burst; separation between pulses is 20 µs
Pulse Width	4 nanoseconds (typical)
Repetition Rate	2.5 Hz
YAG Offset Focus	Continuously variable from anterior (-)500 µm to posterior (+)500 µm; detent steps @ 0, 150, 250, 500 µm
Focal Length	107 mm
Cone Angle	16°
Magnification	5 steps: 6x, 10x, 16x, 25x, 40x
Slit Lamp	CSO SL 950
Aiming Beam Laser	Dual beam 635 nm diode continuously variable intensity to 200 µW
Electrical Power	100V - 240V AC, 50/60 Hz
Cooling System	Air Convection
Dimensions	52 cm x 32 cm x 45 cm; 20.5 in x 12.5 in x 17.7 in (H x W x D)
Weight	21 kg or 46.3 lb (system); 28 kg or 61.7 lb (packed)

Lumenis® Certified Service | Certified Engineers & Parts > Reliable Performance > Superior Value > Satisfied Customers

Optimize your investment in Lumenis' world-leading innovation - choose the industry's largest Service team with the deepest medical laser, light- and RF-based system expertise. Our Customer Engineers are fully certified, trained and updated on Lumenis technology to ensure compliance with government safety and performance standards. As the original manufacturer, we are best equipped to provide service and certified parts to maximize the availability of your critical assets in active clinical settings, throughout your system's lifecycle. We provide thorough and complete system servicing on each maintenance visit, backed by unsurpassed technological expertise and support at the local, regional and company level. Our mission is to deliver a timely and effective response to your system maintenance needs - your satisfaction is our ultimate goal!

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For outside the USA, visit www.lumenis.com, click 'Service & Support', contact your local Lumenis representative

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