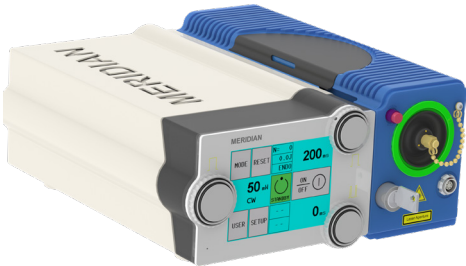




merilas
α 532



merilas
shortpulse 532



merilas
shortpulse 577



merilas
shortpulse 810



Glaucoma



Retina

Single-spot photocoagulator family

Engineered for Retinal Photo-
coagulation, Photoablation, and
Glaucoma Treatment

merilas **merilas** **merilas** **merilas**
α532 shortpulse 532 shortpulse 577 shortpulse 810

DISCLAIMER

Medicine is an evolving science, subject to continual research and revision. The information contained in this document is intended solely for use by healthcare professionals and qualified end-users. It is intended for general informational purposes only and does not constitute, and should not be construed as, medical advice, diagnosis, treatment recommendations, or a substitute for the independent clinical judgment of a licensed practitioner.

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Users remain solely responsible for verifying the applicability of any information herein to their individual practice, compliance with local regulations, and adherence to relevant clinical guidelines and professional standards of care.



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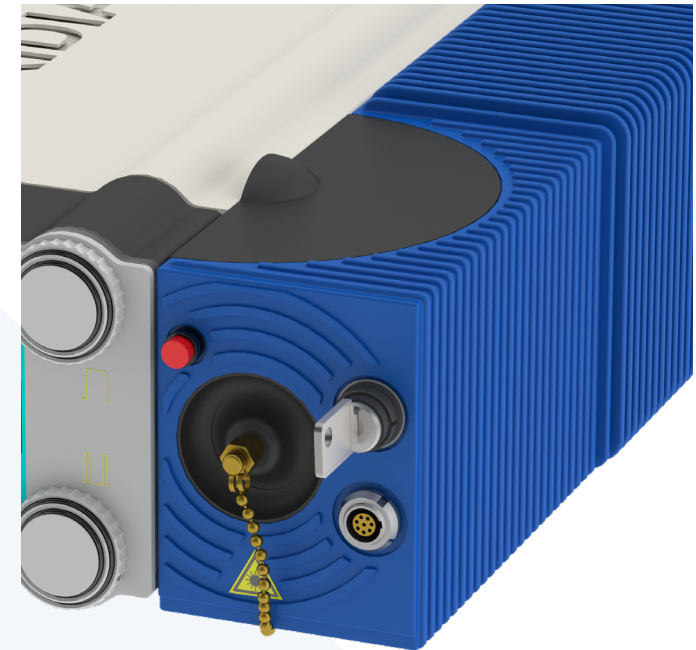
PREMIUM DESIGN & DURABILITY

The Merilas housing is crafted from high-grade aluminium, delivering Meridian Medical's signature solid and premium feel. Its removable control panel features a crystal-clear interface that is highly resistant, durable, and effortless to clean, making it ideal for long-term use in clinical environments.

ADVANCED COOLING & LONGEVITY

The Merilas laser is equipped with a thermoelectric cooling (TEC) system that:

- Eliminates the need for ventilation slots
- Enables a hermetically sealed, dust-free design
- Enhances long-term reliability and consistent performance
- Supports extended laser lifespan and high-quality treatment delivery



merilas α 532 **merilas** shortpulse 532 **merilas** shortpulse 577 **merilas** shortpulse 810

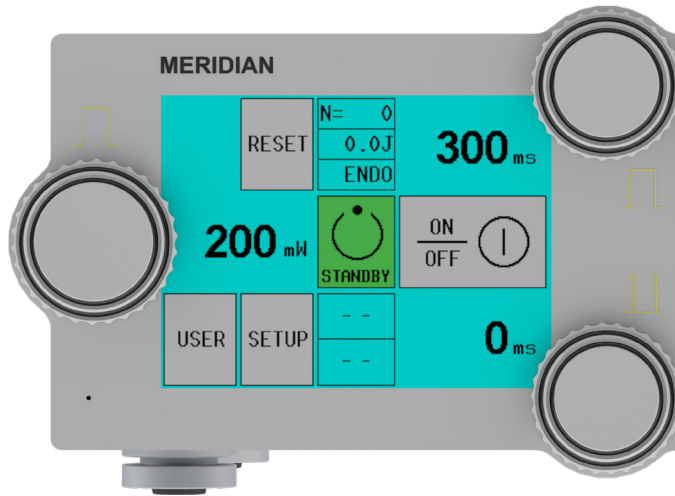
ENHANCED USABILITY & ERGONOMIC DESIGN

The Merilas laser series is designed for intuitive, effortless operation, featuring a user-friendly interface and streamlined command structure.

Its detachable touch display, equipped with **advanced glass technology**, makes the graphical user interface easy to clean and resistant to impacts. The Merilas offers flexible treatment options and an ergonomic design, ensuring optimal comfort during procedures.

Thanks to the thermoelectric cooling system, the Merilas lasers operate silently, eliminating air turbulence and noise disturbances.

With a sleek, modern, and compact design, the Merilas lasers are highly portable and come with a durable, practical carry-on case for safe and convenient transport.



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ADVANCED SAFETY AND RELIABILITY

The Merilas is engineered with advanced safety features ensuring precision, stability, and confidence during every procedure.

- **Stable laser output:** Delivers consistent and reliable energy levels for precise treatment outcomes
- **Auto-key connector:** The system automatically recognises Meridian Medical probes and accessories, ensuring seamless compatibility and optimal performance
- **Independent calibration:** Each laser accessory is individually calibrated and measured, guaranteeing accuracy and safety in every procedure
- **Corneal safety:** The LIO and slit-lamp delivery systems are designed for safe retinal and corneal application by maintaining a parallel laser beam at the corneal plane, thereby reducing corneal exposure and enhancing patient safety
- **Remote support access:** Enables efficient troubleshooting and technical assistance, ensuring uninterrupted operation



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α532 shortpulse 532 shortpulse 577 shortpulse 810

ADVANCED USABILITY & SEAMLESS INTEGRATION

- **Detachable touchscreen remote control:** Enables intuitive operation and flexible positioning during procedures, supporting workflow efficiency
- **Extensive slit lamp compatibility:** Designed to integrate with a broad range of slit lamp models, including Haag-Streit and Zeiss-style systems, ensuring effortless integration
- **Versatile delivery options:** Choose between a laser indirect ophthalmoscope (LIO) and endoprobes for precise treatment across multiple ophthalmic applications
- **Assisted remote access for technical support:** Enables fast and professional troubleshooting, minimising downtime and ensuring uninterrupted performance(*)

The Merilas laser system combines cutting-edge technology with unmatched versatility, making it an essential tool for modern ophthalmic practices.

(*) Remote access requires user intervention, an Internet connection, and assistance from trained service staff. Meridian Medical can't access the laser without the intervention of the user.

merilas **merilas** **merilas**
α532 shortpulse 532 shortpulse 577

INTENDED PURPOSE & INDICATIONS FOR USE

The Merilas 532 alpha, 532 shortpulse™ and 577 shortpulse™ lasers are intended for use in retinal photocoagulation procedures for the treatment of ocular pathologies affecting the posterior segment of the eye.

These devices are designed to deliver visible wavelength laser energy to coagulate retinal tissue in order to manage retinal vascular disorders.

They are indicated for the treatment of:

- Diabetic retinopathy
- Diabetic macular oedema
- Retinal detachment
- Retinopathy of prematurity
- Other conditions involving retinal ischemia and neovascularisation

Photocoagulation remains a standard treatment for retinal vascular diseases and may be appropriate for any condition producing retinal ischemia or neovascularisation (Prasad, 2022; Weng, 2022).⁽¹⁾

These devices are intended for use by qualified ophthalmic professionals in clinical settings.

⁽¹⁾Prasad A. Laser Techniques in Ophthalmology: A Guide to YAG and Photothermal Laser Treatments in Clinic. CRC Press; 2022.
Weng CY, ed. Panretinal photocoagulation. AAO EyeWiki. 2022.

INTENDED PURPOSE AND INDICATIONS FOR USE

The Merilas 810 shortpulse™ laser is intended for the treatment of ocular pathologies in both the anterior and posterior segments of the eye, using infrared laser energy.

Its therapeutic applications are based on established principles of photothermal and photocoagulative interaction with ocular tissues.

It is designed to deliver therapeutic laser applications for the following clinical indications: ⁽¹⁾⁽²⁾

- Retinal photocoagulation for the treatment of retinal vascular disorders such as: Diabetic retinopathy, Diabetic macular oedema, Retinal detachment, Retinopathy of prematurity (ROP), Other conditions involving retinal ischemia and neovascularisation
- Transscleral cyclophotocoagulation (TSCPC) indicated for the reduction of intraocular pressure in patients with glaucoma, including refractory cases
- Transpupillary thermotherapy (TTT): used in the treatment of ocular tumours, including retinoblastoma and choroidal melanoma

This device is intended for use by qualified ophthalmic professionals in clinical settings.

(1) Allbon D, Meyer JJ. Cyclodiode Laser Glaucoma Therapy. 2022 Oct 3. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.

(2) Moorman CM, Hamilton AM. Clinical applications of the MicroPulse diode laser. Eye (Lond). 1999.

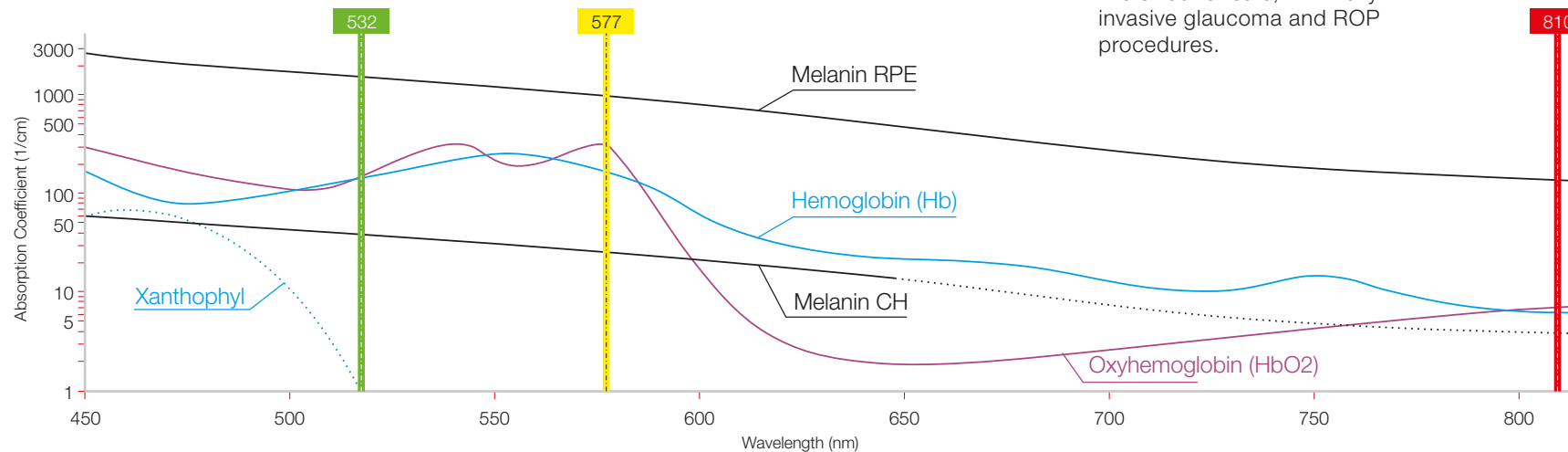
merilas α**532** **merilas** shortpulse **532** **merilas** shortpulse **577** **merilas** shortpulse **810**

WAVELENGTH BENEFITS

532 nm: The green laser is widely regarded as the gold standard for retinal photocoagulation. It offers **superior absorption by melanin**, enhancing treatment precision and efficacy. Its wavelength is ideal for **targeting the pigmented retinal epithelium (RPE)**. Clinically proven for a broad range of retinal conditions, particularly where pigmentation enhances therapeutic outcomes.

577 nm: The yellow wavelength demonstrates **reduced ocular scatter**, allowing for deeper tissue penetration and enhanced therapeutic control ⁽¹⁾. It is often better tolerated by patients compared to green wavelengths ⁽²⁾. Clinical reports indicate **lower levels of treatment-related pain** when using yellow lasers ⁽²⁾.

810 nm: The 810 nm near-infrared wavelength allows deep, controlled energy delivery. **Minimal absorption by melanin and hemoglobin** enables penetration through sclera and hemorrhages. Supports treatments like **transscleral cyclophotocoagulation and ROP** photocoagulation. Reduced thermal impact lowers risk of collateral tissue damage. Preferred for safe, minimally invasive glaucoma and ROP procedures.



⁽¹⁾ Sramek et al. Therapeutic window of retinal photocoagulation with green (532-nm) and yellow (577-nm) lasers. Ophthalmic Surg Lasers Imaging. 2012.

⁽²⁾ González-Saldivar et al. Single-spot yellow laser versus conventional green laser on panretinal photocoagulation: patient pain scores and preferences. Ophthalmic Surg Lasers Imaging Retina. 2017.

merilas shortpulse **532** **merilas** shortpulse **577** **merilas** shortpulse **810**

THE PRINCIPLE OF SHORTPULSE™

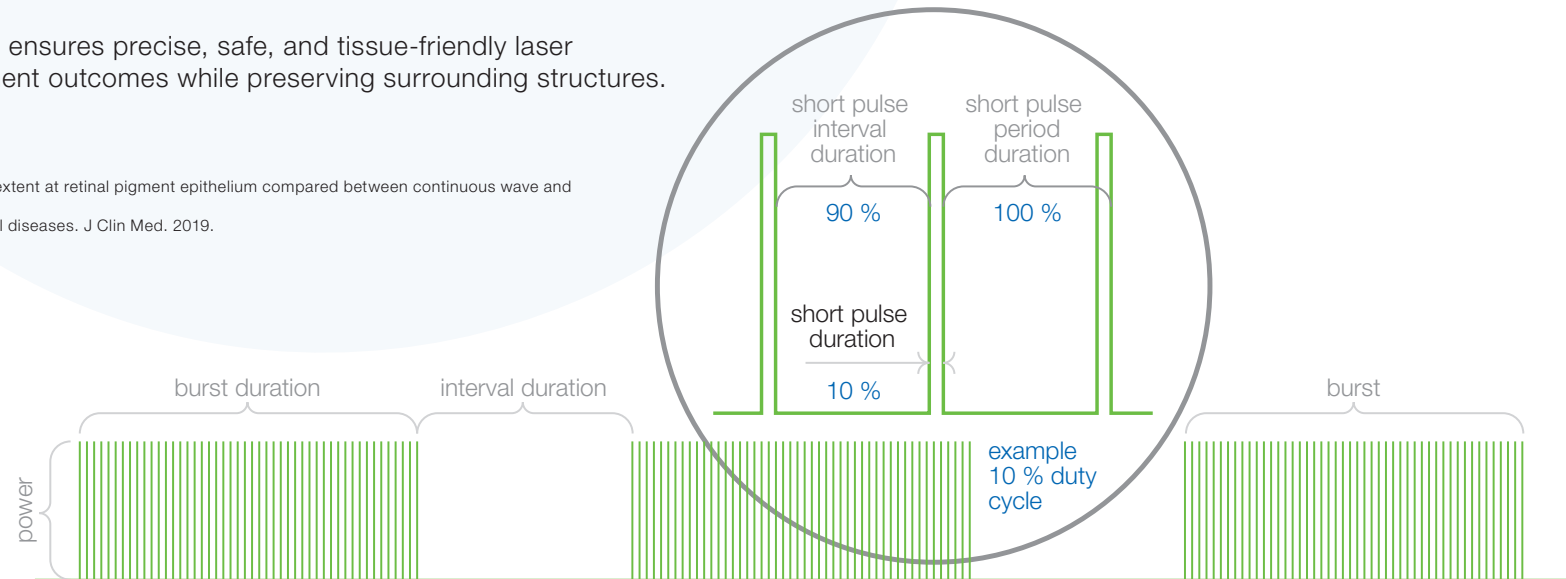
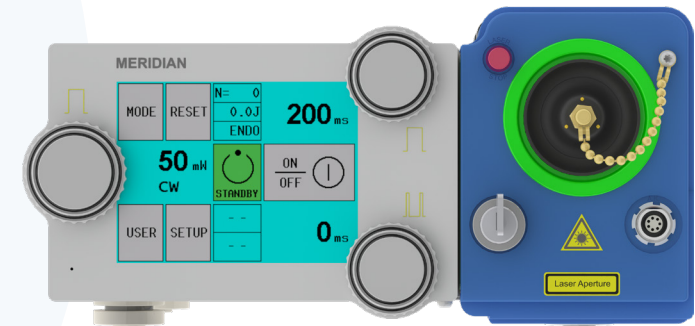
Shortpulse™ technology delivers precisely controlled microsecond pulses of energy, where each pulse consists of multiple short bursts followed by resting intervals.

- **Gentle Tissue Treatment**⁽¹⁾: shortpulse™ limits the duration of thermal stress rather than the magnitude of heating, resulting in gentler tissue interaction
- **Optimised Energy Delivery**: The alternating bursts and pauses enable controlled energy absorption, making it a practical yet gentler approach for delicate ophthalmic procedures
- **Studies**⁽²⁾ show similar average temperature rise to continuous wave (CW); however shortpulse™ offers a gentler profile generated from the interrupted temporal heating pattern and reduced time above injury thresholds, not from lower heat generation

This advanced pulsing method ensures precise, safe, and tissue-friendly laser applications, enhancing treatment outcomes while preserving surrounding structures.

⁽¹⁾ Miura et al. Temperature increase and damage extent at retinal pigment epithelium compared between continuous wave and micropulse laser application. Life (Basel). 2022.

⁽²⁾ Gawęcki M. Micropulse laser treatment of retinal diseases. J Clin Med. 2019.



PHOTOCOAGULATION – TREATMENT GUIDELINES FOR CONTINUOUS WAVE (CW) LASERS

These guidelines have been prepared following industry standards for retinal treatments, the use of the laser and its parameters is the responsibility of the treating ophthalmologist.

Procedure	Spot size(*)	Exposure	Power	Visible effect
PRP (Central)	100 – 200 µm	0.05 – 0.2 s	100 mW	Moderate burning
PRP (Periphery)	200 – 500 µm	0.05 – 0.5 s	400 mW	Blanching
DME (Focal)	50 – 100 µm	0.05 – 0.1 s	100 mW	Light blanching within 500 µm of fovea
DME (Grid)	50 – 200 µm	0.1 s	100 mW	Blanching
RVO	100 – 500 µm	0.05 – 0.5 s	100 – 500 mW	Intense burn
CNV	50 – 200 µm	0.1 – 0.5 s	100 – 500 mW	Moderate burning
Tears & breaks	50 – 1'000 µm	0.2 – 0.5 s	400 – 600 mW	Linear with no spacing
Degenerations	500 – 800 µm	0.1 – 0.2 s	400 – 600 mW	Linear with no spacing

(*) Spot size on macula including the lens magnification factor.
 Bloom SM, Brucker AJ. Laser surgery of the posterior segment. Lippincott-Raven. 1997

BINOCULARS IN FOCUS

To ensure optimal laser performance and safety, each user must adjust the oculars to match their individual refraction. This alignment guarantees parfocality between the laser, aiming beam, and the retinal target.

Using a defocused slit lamp can result in unpredictable laser burns and compromised treatment accuracy.

TEST SHOTS

- Users must ensure precise retinal focus before initiating treatment to maintain accuracy and safety
- Before treatment, perform single-spot test shots in the retinal periphery to assess melanin response. Aim for a light blanching or mild burn as an indicator of appropriate energy delivery
- It is recommended to start with the lowest power and shortest exposure time parameters, then, based on tissue response, adjust one parameter as needed

PHOTOCOAGULATION – TREATMENT GUIDELINES FOR SHORTPULSE™ LASERS

These guidelines have been prepared following industry standards for retinal treatments, the use of the laser and its parameters is responsibility of the treating ophthalmologist.

Procedure	Spot size(*)	Exposure	Peripheral burn	Duty cycle
PRP (Periphery)	300 – 400 µm	200 ms	3x	5%
DME	100 – 200 µm	200 ms	2 – 4x	5%
DME+RVO	100 – 200 µm	200 ms	2 – 7x	5%

PERIPHERAL BURN FACTOR (*)

When using shortpulse™ it is necessary to perform a laser shot to test the melanin response.

- Apply a burn shot away from the fovea, titrate the power until blanching is achieved
- Begin with a spot size of 100 – 200 µm
- Start with a power setting between 50 – 100 mW
- Set pulse duration at 200 ms
- Slowly titrate energy until barely visible blanching effect is observed
- Follow the compensation factor as the power needs titration to compensate the short pulse duration

TEST SHOTS

- Ensure precise retinal focus before initiating laser treatment to maintain accuracy and safety
- Perform single-spot test shots in the peripheral retina to evaluate the melanin response. Aim for a light blanching or mild burn, indicating appropriate energy delivery
- Start with the lowest recommended power setting and shortest exposure time, then gradually adjust based on the observed tissue response

(*) Desmetre TJ, Mordon SR, Buzawa DM, Mainster MA. Micropulse and continuous wave diode retinal photocoagulation: visible and subvisible lesion parameters. Br J Ophthalmol. 2006 Jun;90(6):709-12.

ABLATION TREATMENT GUIDELINES FOR CW & SHORTPULSE™ LASERS

These guidelines have been prepared following industry standards for retinal treatments, the use of the laser and its parameters is responsibility of the treating ophthalmologist.

Treatment	Mode	Exposure	Power	Spot size(*)	Duty cycle	delivery
TSCPC (pop) ⁽¹⁾	CW	2 s	1.75 W	–	–	I-SMA-TC
TSCPC (slow coag) ⁽⁴⁾	CW	4 – 5 s	1.25 W	–	–	I-SMA-TC
TSCPC	SP	100 – 300 s	2.0 W	–	31.3%	I-SMA-TC-S
ROP ^{(2) (5)}	CW	0.2 – 0.3 s	100 – 450 mW	–	–	LIO
TUMOUR ⁽³⁾	CW	14 min	100 – 1'000 mW mean 437 mW	800– 1200 µm	–	LIO
CNV (TTT) ⁽⁵⁾	CW	60 s	300 – 600 mW	1200 µm	–	LIO

(*) Spot size on macula including the lens magnification factor, |

TSCPC – CONTINUOUS WAVE (CW) TECHNIQUE

During treatment, the G-Probe footplate is positioned perpendicular to the sclera, with its curved edge aligned at the limbus. This orientation directs the laser beam approximately 1.2 mm posteriorly, targeting the ciliary processes.

Laser applications are individually spaced at half the width of the G-Probe footplate, ensuring consistent coverage while sparing the 3 and 9 o'clock meridians to avoid potential damage to the long ciliary nerves and blood vessels. TSCPC CW produces audible “POP” indicating the rupture of the ciliary body epithelium.

TSCPC SHORTPULSE™

In shortpulse™ mode, the probe is typically moved in a continuous sweeping, sliding, or “painting” motion across the superior and/or inferior limbus, covering either 180° or 360° of the eye.

- The 3 and 9 o'clock meridians are intentionally avoided to protect the long ciliary nerves and blood vessels
- Areas with cystic blebs or thin conjunctiva should also be avoided to minimize the risk of tissue damage
- Reported studies indicate a total treatment duration ranging from 100 to 360 seconds per session, depending on the clinical protocol and patient response
- This technique does not provide treatment feedback and may result in under/over treatment

⁽¹⁾Gaasterland DE. Diode laser photocoagulation. Glaucoma Today. 2009;7(2):35-37. ⁽²⁾Jalali S, Anand R, Desai R, Azad R. Technical aspects of laser treatment for acute retinopathy of prematurity under topical anesthesia. Indian J Ophthalmol. 2010;58(6):509-515. ⁽³⁾Shields CL, Santos MCM, Diniz W, et al. Thermotherapy for retinoblastoma. Arch Ophthalmol. 1999;117(7):885-893.10.1001/archoph.117.7.885. ⁽⁴⁾Khodeiry MM, Liu X, Sheheilli H, Sayed MS, Lee RK. Slow coagulation transscleral cyclophotocoagulation for postvitrectomy patients with silicone oil-induced glaucoma. ⁽⁵⁾Newsom RSB, McAlister JC, Saeed M, McHugh JDA. Transpupillary thermotherapy (TTT) for the treatment of choroidal neovascularisation. Br J Ophthalmol. 2001;85(2):173-178. ⁽⁶⁾Desmetre TJ, Mordon SR, Buzawa DM, Mainster MA. Micropulse and continuous wave diode retinal photocoagulation: visible and subvisible lesion parameters. Br J Ophthalmol. 2006 Jun;90(6):709-12.

merilas α532 **merilas** shortpulse 532 **merilas** shortpulse 577 **merilas** shortpulse 810

The Merilas family is a versatile platform designed for use in both the consulting room and the operating theatre. To support safe and convenient transport, Meridian Medical has developed a dedicated carry-on case that allows the laser to be moved securely and comfortably.



INCLUDED ACCESSORIES

- Footswitch (*)
- Safety goggles (*)

COMPATIBLE ACCESSORIES

- **Laser delivery system by slit lamp:** Provides a stable and controlled platform for laser treatments, allowing precise targeting of anterior segment and retinal conditions during clinical procedures
- **Laser indirect ophthalmoscope (LIO):** Enables precise, non-contact retinal treatment, making it ideal for wide-field photocoagulation in patients with media opacities or peripheral retinal pathologies
- **Transscleral probes:** Designed for effective glaucoma treatment, allowing controlled energy delivery through the sclera to target ciliary body tissues
- **Laser endoprobes:** Facilitates minimally invasive intraocular procedures, ensuring precise retinal treatment during vitreoretinal surgeries, particularly in complex cases
- **External fan:** Cooling system (fan) for room temperatures higher than 24°C



(*) These accessories are **required** for the Merilas operation, as described in the IFU

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Nd:YAG & MERILAS COMBO

Meridian Medical proudly combines the Merilas platform with its Nd:YAG family, including the MR Q and MR Q SLT, in a smart and space-efficient integrated solution.

The MR Q and MR Q SLT Combo configuration is ideal where space is limited and clinical versatility is essential, offering a practical way to expand treatment capabilities without compromising workflow.

Please note that, as with all Nd:YAG lasers, the optics are designed with a short depth of field; visualisation in the peripheral retina may therefore be more limited.

HAAG-STREIT AND ZEISS STYLE DESIGN

Merilas universal slit lamp adapter allows coupling with almost any Haag-Streit or Zeiss slit lamp, whether original or copy.

The adapter has multiple moving parts to ensure excellent adaptability to the many available slit lamps, and the robust material enclosing the fibre ensures its durability.



image : MR Q SLT COMBO. Product appearance can vary without prior notice.

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DELIVERY SYSTEMS – LIO – FEATURES

- Optimised for the Merilas platform
- Laser delivery coaxial to the user’s viewing axis
- Standard LED module
- Neutral LED cooler colour providing brighter illumination and longer battery life
- High-contrast optics
- Built-in filters
- Intelligent optical system with automatic optics and mirrors adjustment
- High magnification lens with additional 1.6x magnification

DELIVERY SYSTEMS – LIO – TECHNICAL SPECIFICATIONS

Description	Mode
Spot size	1100 µm ± 20%
Working distance (front of LIO to focused spot)	280 mm ± 20%
Operating wavelengths (Factory configured to one therapy wavelength)	Therapy laser: 532/577 up to 1500 mW and 810 nm up to 2000 mW Aiming laser: 635 nm, 1 mW
Back-scatter protection	OD > 5.5 at therapy wavelength
Fibre	100 µm core, multimode with A/R coating 3 mm stainless steel protected 5 m length SMA905 fibre connector
Power source	Wall-mounted wireless charger including spare lithium battery



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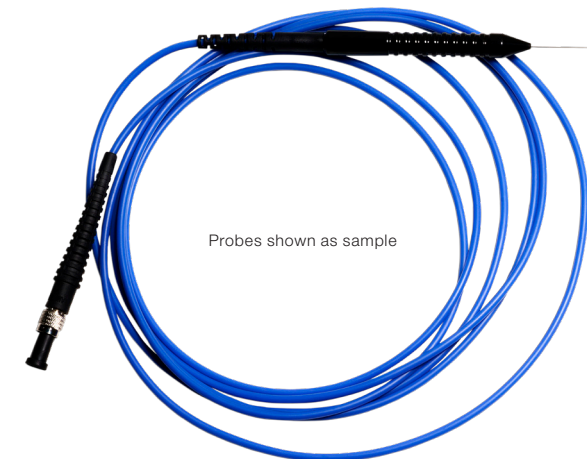
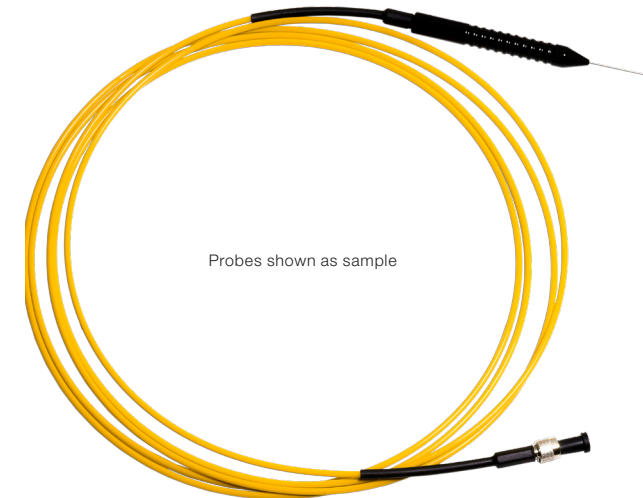
DELIVERY SYSTEMS – PROBES

Our laser probes are manufactured by Emtron®, a global leader in ophthalmic laser probe technology. Each probe is built to meet Meridian Medical’s stringent quality standards and complies with the highest European regulatory requirements.

- **Superior Fibre Polishing:** Ensures homogeneous laser spots with even power distribution, eliminating the risk of hot spots in the treatment area
- **Rigorous Quality Control:** Each probe undergoes strict testing to guarantee precision, reliability, and safety in every procedure
- **Optimised Performance:** Engineered for consistent and effective energy delivery, fully compliant with Meridian Medical’s high-performance standards for ophthalmic laser treatments
- **Certified Safety & Compliance:** All probes carry the CE mark and meet the requirements of the Medical Device Regulation (MDR 2017/745), ensuring compliance with the latest European safety and quality standards

SAFETY

The endoprobes features unique serial numbers, ensuring the highest possible traceability. All endoprobes are CE-marked and individually sterilised for single use.





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 α532 shortpulse 532 shortpulse 577 shortpulse 810

DELIVERY SYSTEMS – AVAILABLE RETINAL PROBES

Our retinal endoprobes feature a proprietary ergonomic design that ensures a comfortable and secure grip, enhancing user control during procedures. The well-balanced handpiece allows for precise fibre guidance, contributing to exceptional treatment accuracy and safety.

The laser port utilises a standard SMA connector, providing broad compatibility and enhanced versatility across various laser systems.



Type	Features and Advantages
Straight (standard laser probe) 	Basic endophotocoagulator for non-peripheral retinal locations Most efficient delivery of thermal energy Ease of entry through small gauge cannulas 20G, 23G, 25G and 27G series
Curved (versatile) 	Curved for ease of entry through small gauge cannulas Unique curve for efficient spot placement at far peripheral locations Versatile for central or peripheral use 20G, 23G and 25G series

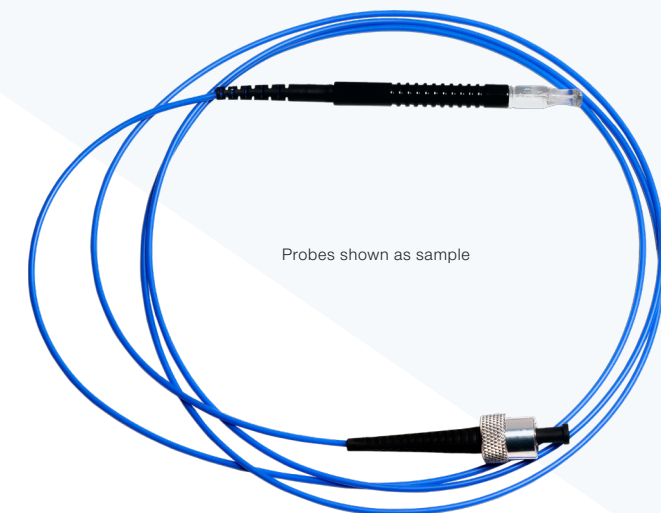


DELIVERY SYSTEMS – AVAILABLE GLAUCOMA PROBES

Our Glaucoma probes feature a proprietary ergonomic design that ensures a comfortable, secure grip, enhancing control and reducing fatigue during procedures. Both probes deliver outstanding results, the shortpulse™ probe design allows clear limbus visualisation throughout the whole treatment.

All probes have a standard SMA laser port. The probes offer enhanced compatibility and greater versatility across a wide range of laser systems.

	Procedure	Description
	Transscleral cyclophotocoagulation probe for CW treatment (for the treatment of Glaucoma)	For use with 810 nm ophthalmic laser in CW No timeout This probe is always in contact, as penetration of the laser light into the sclera occurs with the help of water displacement
	Transscleral cyclophotocoagulation probe for SP mode	Specially designed for shortpulse™ mode No timeout This probe allows perfect visualisation of the eye during the treatment



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LASER SAFETY FILTERS FOR MICROSCOPES

Laser safety filters are critical for protecting the surgeon's eyes during retinal laser procedures. These filters block harmful laser wavelengths. The Merilas platform offers two safety filter options:

Passive Filters: Permanently block specific laser wavelengths; always active.

Active Filters: Electronically triggered to engage only during laser emission, maximising visibility and safety through operating microscopes.

For optimal protection, it is essential to use the manufacturer-approved filter, as it is precisely engineered and certified for the laser's wavelength and energy output. Meridian Medical's laser safety filters are compatible with leading microscope brands, including:

- Zeiss
- Leica
- Haag-Streit
- Topcon

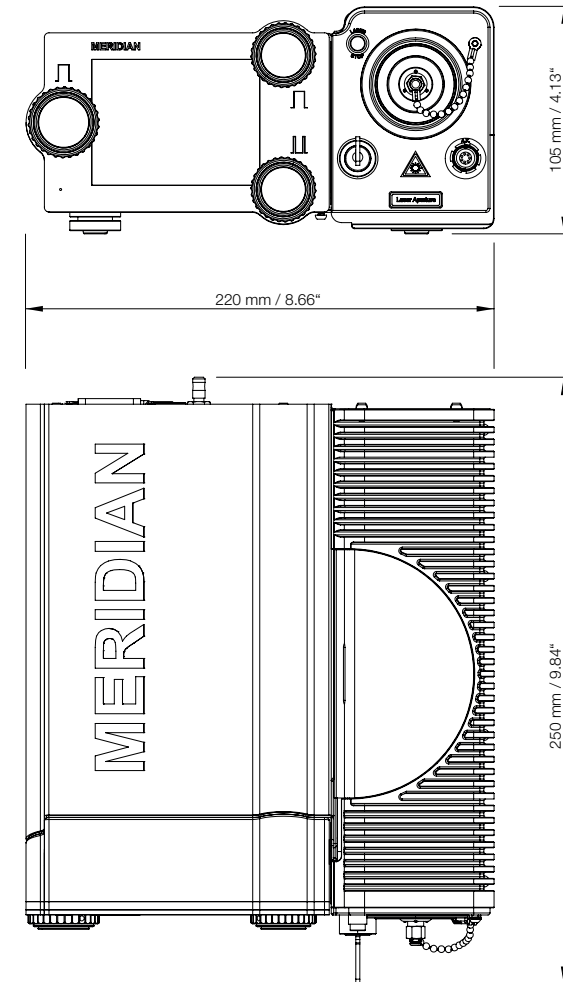
This ensures seamless integration without compromising safety or optical performance.



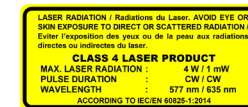
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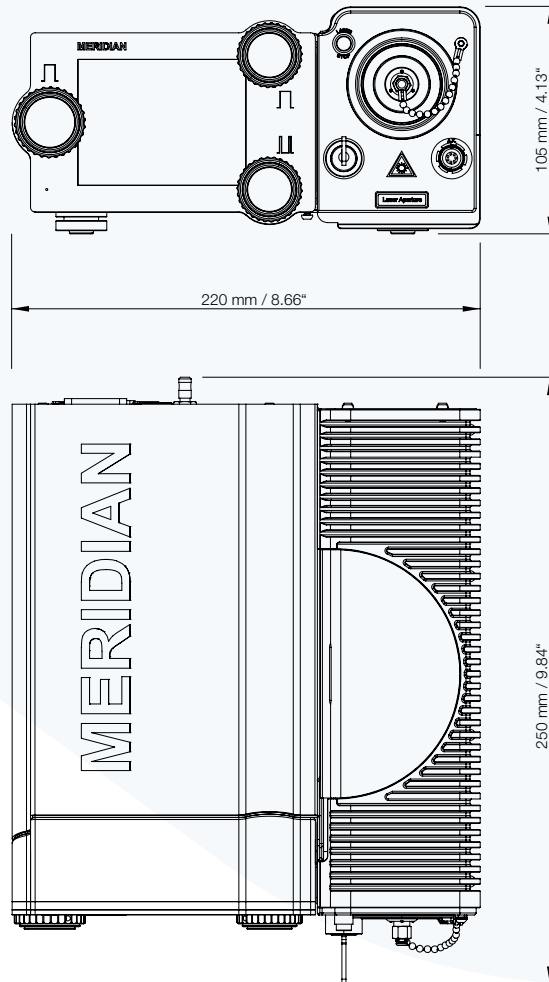
TECHNICAL SPECIFICATIONS (*)

Device description	merilas α532	merilas shortpulse 532 merilas shortpulse 577
Laser Safety Classification	Class 4	
Wavelength	532 nm	532 nm 577 nm
Power Output	50 – 2'000 mW	50 – 2'500 mW
Pulse Duration	10 – 5'000 ms (CW)	1 – 5'000 ms
Pulse Interval	0 ms (single pulse) / 10 – 5'000 ms	0 ms (single pulse) / 1 – 5'000 ms
SP-Mode Settings	n.a.	shortpulse™ (continuous wave, chopped) shortpulse™ duration: 0.01 – 1.90 ms shortpulse™ interval: 0.10 – 1.99 ms shortpulse™ period duration: 2.0 ms duty cycle range: 0.5% – 95%
Cooling	TEC	
Aiming Beam	Diode 635 nm, (0 – 1 mW in 9 steps)	
Dimensions	25.0 × 22.0 × 10.5 cm	
Screen Size	4" touch screen	
Footswitch	Wired / mono function : laser activation On/Off	
Total Weight	7.0 kg	
Power Requirements	100 – 240 V, 50/60 Hz, 2 A max.	



(*) All technical specifications are subject to change without notice. In accordance with the international general safety standards: IEC 60601-1:2005/AMD2:2020, IEC 60601-1-2:2014/A1:2020, Regulation (EU) 2017/745. The laser safety is in accordance with the international standards: IEC 60825-1:2014 and IEC 60601-2-22:2019.





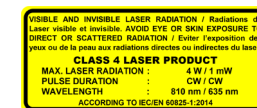
merilas

shortpulse 810

TECHNICAL SPECIFICATIONS (*)

Device description	merilas shortpulse 810
Laser Safety Classification	Class 4
Wavelength	Infrared (810 nm)
Power Output	50 – 3'000 mW
Pulse Duration	CW (continuous wave, chopped) 1 – 10'000 ms
Pulse Interval	1 – 10'000 ms
SP-Mode Settings	shortpulse™ (continuous wave, chopped) shortpulse™ duration: 0.01 – 1.50 ms shortpulse™ interval: 0.1 – 1.59 ms shortpulse™ period duration: 1.6 ms duty cycle range: 0.6% - 93.8%
Cooling	TEC
Aiming Beam	Diode 635 nm, (0 – 1 mW in 9 steps)
Dimensions	25.0 × 22.0 × 10.5 cm
Screen Size	4" touch screen
Footswitch	Wired / mono function : laser activation On/Off
Total Weight	7.0 kg
Power Requirements	100 – 240 V, 50/60 Hz, 2 A max.

(*) All technical specifications are subject to change without notice. In accordance with the international general safety standards: IEC 60601-1:2005/AMD2:2020, IEC 60601-1-2:2014/A1:2020, Regulation (EU) 2017/745. The laser safety is in accordance with the international standards: IEC 60825-1:2014 and IEC 60601-2-22:2019.





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