

Lumenis Pulse 50H Technical Specifications

Part number: GA-1008943. International CE Marked

Parameter	Value
Wavelength	2.1 µm
Max Optical Power	50 W
Max Repetition Rate	25 Hz
Pulse Energy	0.2-3.5 J
Aiming Beam	Green. Three intensity settings.
Pulse Width	Adjustable
Smart Identification System (SIS)	YES
Dual Pedal Footswitch	YES
User friendly GUI enables two different working modes operating simultaneously, no need to switch between the screens	YES
Electrical	230V, 60Hz, 30A / 230V, 50Hz, 32A
Cooling	Self-contained water-to-air heat exchanger
Dimensions [W / L / H]	46 x 91 x 99 cm/ 18 X 36 X 39 inch
Weight	200 kg (441 lbs.)
Delivery systems	Lumenis SIS reusable and single use delivery systems
Warranty	One year parts and labor

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*The Lumenis Pulse 100H is not yet available in the United States.



www.lumenis.com/Surgical

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Lumenis® Pulse™ 50H

The Comprehensive Holmium System for Lithotripsy and Soft Tissue



Specially designed to effectively address any kind of stone in Lithotripsy and soft tissue

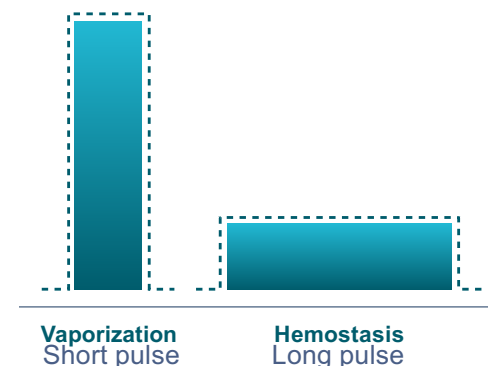
- ✓ Over 130 different energy and frequency settings to address any type or size of stone and soft tissue effectively and rapidly
- ✓ 0.2J of energy per pulse minimizes migration of even the smallest stone
- ✓ Pre-programmed Pulse Reshaping Technology for better hemostasis and minimized retropulsion
- ✓ High energy per pulse and high repetition rate (3.5J and 25Hz) enable a rapid fragmentation rate even with harder stones
- ✓ Dual-pedal enables two different working modes operating simultaneously
- ✓ Hands-free ready/standby mode for improved ease of use and minimized cost per procedure



Enhancing Safety

- Innovative Pulse Reshaping Technology allows physician to quickly switch to a longer pulse for better hemostasis and minimized retropulsion, especially when high energy is applied. The proprietary settings of the Pulse Reshaping Technology are based on over 20 years of extensive research and experience.
- Green aiming beam for enhanced endoscopic visibility.
- Holmium is well absorbed in water, penetrates tissue in a clear and controlled manner and prevents charring, necrosis and collateral damage.

Pulse Shaping



Maximizing Return on Your Investment

Lumenis Pulse 50H combined with its new SlimLine 200 D/F/L ball-shaped fiber increases the speed of Lithotripsy and further reduces the cost per procedure.

The combination of different laser parameters allows for over 70 types of approved clinical procedures, including Urology, Arthroscopy, General Surgery, ENT, Gynecology, Gastroenterology and more. The system is validated for the full range of Lumenis fibers to increase the system's reliability and extend the fiber lifetime.



“ The Lumenis Pulse 50H system provides basically all features to perform modern intra-corporeal Holmium: YAG-laser lithotripsy including a wide range of energy levels and frequencies. Additionally pulse duration can be extended to minimize retropulsion. The handling of the device is optimized by a double foot pedal”.

Prof. Dr. Jens Rassweiler
Heilbronn, Germany.

Focusing on the User Experience

Customizable dual foot pedal
enables clinical flexibility to alternate easily between two different system settings during the procedure.

User-friendly screen
Intuitive operation with large color graphical user interface. Includes cumulative energy tracking during the procedure and dual settings to control both pedals.

Elegant and suitable design
Floor base tower, designed to optimize OR space utilization. Tower design on wheels is portable and easy to maneuver.

The Comprehensive Solution for Lithotripsy

More efficient

- The SlimLine 200 D/F/L ball-shaped fiber can pass through a fully deflected scope, avoiding the need to advance the fiber through the flexible scope, resulting in reduced procedure time.
- The fiber's slim core dimension improves accessibility of the fiber to hard-to-reach anatomy.

Reduced cost per procedure

- The enhanced fiber focus mechanism of the Lumenis Pulse 50H extends the lifespan of this uniquely designed fiber and minimizes the cost per procedure
- The rounded tip of the fiber minimizes damage to the scope during insertion, thereby enhancing scope protection.

