

Dornier *Medilas D MultiBeam*



S P E C I F I C A T I O N S H E E T



W E ' R E A L L A B O U T P E O P L E .

Dornier Medilas D MultiBeam



Technical Data			
Laser Type	Diode		
Wavelength	940 nm		
Application Modes	Standard	Impulse	Fibertom
Laser Power	2 – 60 W	2 – 80 W	2 – 60 W
adjustable	1 W steps	–	1 W steps
Fluence with Handpiece	10-998 J/cm ²		
adjustable	–	in steps of 2	–
Pulse Duration	10 ms – 10 s, CW	10 ms – 200 ms	CW
Pulse Interval	10 ms – 10 s	200 ms – 2 s	–
Pulse Repetition	0.5 – 50 Hz	0.25 – 5 Hz	–
Aiming Beam	Red, 635 nm, 0 -1 mW adjustable, constant or intermittent operation		
Laser Warning Signal	Optical, Acoustical, volume adjustable		
Treatment Record	# of pulses, energy, exposure time		
Power Supply	115 – 230 V 50/60 Hz 8 A single phase		
Weight	14.5 kg (32 lbs.)		
Dimensions (D x W x H)	Box: 38 cm x 29.5 cm x 19 cm (15" x 11.5" x 7.5") Box with screen and handle: 46.5 cm x 29.5 cm x 30.5 cm (18.5" x 11.5" x 12")		
Laser Cooling System	Air cooling		
Foot Switch	Pneumatic		
Standards	IEC 60601, IEC 60825, European Medical Device Directive, Device Protection Class 1, BF		

Available Accessories

- Disposable 400 and 600 µm bare tip lightguides
- Resterilizable 400 and 600 µm bare tip lightguides
- Angiospot handpiece for the treatment of superficial vascular lesions with spot sizes of 0.5, 1.0 and 1.5 mm.

Application Modes

- In standard mode, the laser is used in Continuous Wave (CW) or intermittent operation for coagulation, vaporization and ablation in surgical applications.
- Impulse mode is used in dermatologic applications when combined with the transcutaneous handpiece.
- The fibertom mode produces uniform cutting by ensuring the temperature of the fiber tip remains within set limits.
- Dose mode automatically terminates laser energy once a preset dose value is obtained. Dose value is adjustable and can be set based on energy, exposure time and number of pulses.

Features

- Based on proprietary technology, Dornier's lightguide protection system (LPS) disengages the laser if light flashes, originating from excess heat at the fiber tip, are detected preventing damage to the fiber tip.
- Treatment set-up is quick and easy using one of the pre-set protocols. Up to 25 settings can be stored. Pre-programmed treatment suggestions are included.
- Operator convenience is maximized using the high resolution color touch screen display which is intuitive and easy to use.
- The patented fibertom system controls the temperature at the fiber tip during cutting which allows fine tissue incisions with minimal carbonization and also prevents destructions at the fiber tip



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