

DUAL YELLOW D10BSPECIFICATION SHEET

Issue Date 14 July 2015

Classification Medical Device, Class II b according to 2007/47/EC
Protection class 1, type B according to EN 60601-1; 1990
Not to be used in the presence of anaesthetics or other flammable materials.

Operation Quasi-continuous emission (pulse duration 30ns, repetition rate 22KHz)
The radiation is not continuous but is emitted in short pulses of about 30ns with a gap between pulses of about 45 micro seconds. These Fast Edge MicroPulses (FEM™) of light have a peak power of several kilowatts, however, the average power is up to 10W for both the yellow and green light combined.

Mains Supply 200...240 VAC, 2400 VA, 50/60 Hz.

Laser Type: Copper Bromide fully sealed laser tube
Classification: Class 4 complying with EN 60825-1: 1994
Output wavelengths: 511nm,
578nm,
578nm + 10% 511nm
511 and 578nm

Output Fluence (Nominal) User selectable in ranges:

Yellow	1 J/cm ² 300 J/cm ²
Green	3 J/cm ² 300 J/cm ²
Y10G	3 – 300 J/cm ²
Both	5 J/cm ² 300 J/cm ²

Operating Modes Selection of Laser Wavelength:

Mode Yellow	578nm
Mode Green	511nm
Mode Y10G	578nm + 10% 511nm
Mode Both	511nm & 578nm.

Operating Modes Repetition Mode: On Time: 10–950 ms (1 & 5ms resolution)
Pulse per second (PPS) 1 to approx 27 PPS
Rapid pulse mode

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Physical characteristics	Laser:	Height:	620 mm
		Length:	1000 mm (1100 mm with distance bracket)
		Width:	280 mm
		Weight:	50 kg
	Display Console:	Floor standing, full colour, Touch Screen	
Delivery device and spot size	Hand held pen, 600 micron spot size	non-contact	
	Hand held pen, 1000 micron spot size	optical glass skin contact tip	
Foot Control	Safety foot pedal for all operating modes		
Operating environment	Ambient temperature:	15–30°C	
	Relative humidity:	30–75 % (non-condensing)	
	Atmospheric pressure:	700–1060 hPa	
	Maximum tilt angle:	10° from vertical	
	Do not move until 30 minutes after turn-off		
Storage environment	Ambient temperature:	10–40°C	
	Relative humidity:	30–75 % (non-condensing)	
	Atmospheric pressure:	700–1060 hPa	
	Maximum tilt angle:	45 ° from vertical	
Accessories Supplied	Two pairs of Safety Glasses to suit [Yellow] and [Yellow and Green]		
	One Laser Safety Sign		
	One set of Lead Eye Shields		
	One User Manual		
Optional Items	Additional Safety Glasses		
	Hot air exhaust kit with electronic control and fan		
	Optiview Polarised Light		
	Multi Spot Handpiece	Patch size :	5mm diameter
		Spots within patch :	approx. 7 spots
		Spot size :	approx. 100 micron
		Contact face :	Glass
	5mm Handpiece		
	Scanner :		
	Scanner, 5mm scan pattern, 0.6mm spot size	optical glass skin contact tip	
Scanner, 10mm scan pattern, 2mm spot size	optical glass skin contact tip		

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Warranty The D10B DUAL YELLOW laser system is warranted for a period of 12 months from delivery ex works. The warranty covers all parts manufactured by Norseld Pty Ltd and all purchased items used in the laser system.

The D10B laser tube is warranted for a period of 12 months from installation, or 1000 hours operating lifetime.

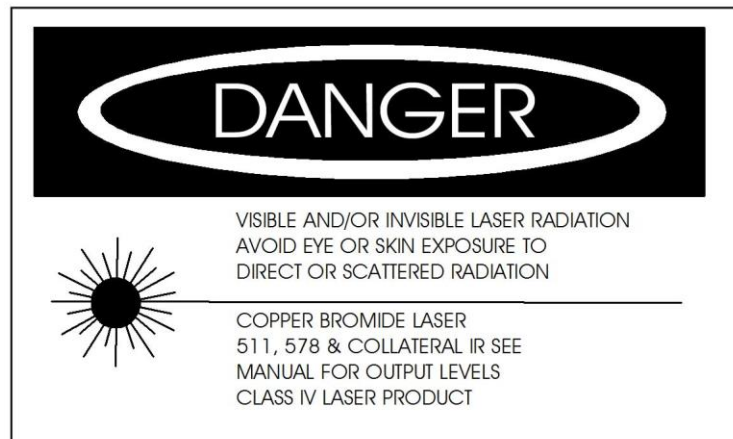
We reserve the right to repair defects of the laser system by replacing defective parts. The replacement of parts is no valid reason for an extension of the warranty of the product.

All parts replaced by us are warranted as required by law.

Defects due to improper handling or operation of the laser system are not covered by our warranty.

Regulatory Requirements It is the user's responsibility to ensure that all local and national regulations are adhered to.

Statement of Quality This equipment is manufactured under a Quality System complying with the requirements of ISO 9001:2008
ISO 13485:2003
and complies with the following European Directives -
2007/47/EC Medical Devices (MD) Directive
89/336/EEC Electromagnetic Compatibility Directive.



Subject to change without notice