

MID-LITE

Battery powered medical laser



Manufactured & Developed in Sweden

MID-LITE model 8080

- Two infrared 808 nm laser diodes
- Adjustable output power (80 to 1000 mW)
- Easy to learn, use and record
- High capacity lithium-ion battery
- Fast recharge of battery
- LCD-display
- Grip and hold friendly
- CB-certified medical electrical equipment

NON-INVASIVE CLASS IIa ACTIVE THERAPEUTIC DEVICE

Description

MID-LITE is an easy to use professional medical laser with which the operator administers infrared laser light to reduce pain and inflammation, and to promote tissue repair. Designed to be quick to learn, easy to medically record, and to deliver top treatment results.

Operation

The device has four different treatment controls that adjust the dosage and power according to whether the condition intended to be treated has a superficial, low, intermediate or deep situation (0-4 cm). The laser apertures are placed in contact with intact normal skin and held in position until a signal is given. The signal informs when to switch treatment point.

Features

- Signals can be changed to inform when each 1 Joule has delivered per laser diode
- One or both laser diodes can be set to emit laser radiation
- Audible signals can be turned off
- Blue light LED's indicates clearly when the lasers are on
- Battery status indicates when battery is becoming low
- Treatment time and dosage is displayed on LCD-display
- Automatic stop of emission every 10 minutes
- Key controlled to prevent unauthorized use
- Battery can be replaced

Laser specification

Laser type: GaAlAs (gallium aluminium arsenid)
Wavelength: 808 nm \pm 3nm – infrared
No of laser diodes: 2 x 808 nm
Bandwidth: \pm 2 nm

Settable output powers:



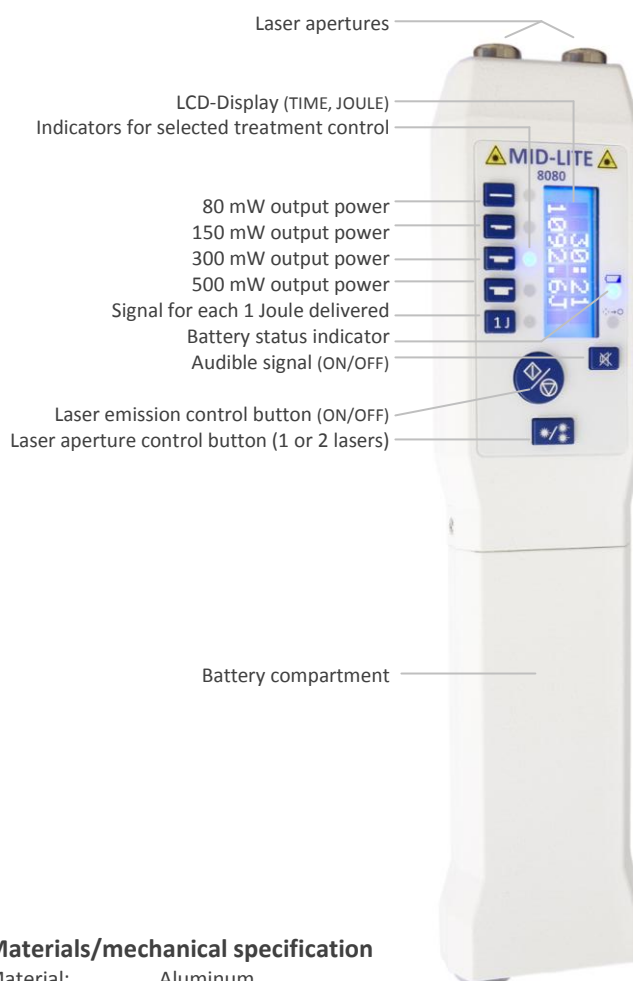
Class 3B

1 x 80 mW, 1 x 150 mW, 1 x 300 mW, 1 x 500 mW
2 x 80 mW, 2 x 150 mW, 2 x 300 mW, 2 x 500 mW

Battery specification

Battery type: Lithium-ion
Capacity: 2300 mAh
Recharge time: < 2,5 hours
Battery time stand-by: >25 hours
Minimum battery time: >1,5 hours at 2 x 500 mW
Maximum battery time: >12 hours at 1 x 80 mW
Battery life: Minimum 750 up to 6000 treatment hours depending on used output of laser
Battery self-discharges: 3 % per month

Overview



Materials/mechanical specification

Material: Aluminum
Coating: Powder paint
Length: 230 mm
Weight: 380 gram

Compliance:

IEC 60601-1:2005, 60601-1-2:2007, 60601-2-22:2007, 60825-1:2007, 60601-1-6:2004, ISO14971:2007, IEC62304:2006, ISO10993-5, ISO10993-10
CB-Certifierad

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