

DG-S BASIC



DG-5 BASIC is a highly technological 5W diode laser for the odontoiatric practice. As a surgical tool is effective and decisive, it makes possible vaporization and incisions with great precision, control of the cut's depth and a perfect coagulation without any effect of carbonization of the treated tissue. Respect to traditional instruments such as scalpel cold knife and electrosurgical, the diode laser is characterized as conservative tool that eliminates few layers cell and has significant clinical advantages such as:

- The reduced use of anesthetic become to the analgesic action of laser radiation
- Perfect sterilization of the treated tissues and hemostasis of the surgical field without application of sutures. The thermal effect of the elimination of the bacterial flora and the action anti-inflammatory make DG-5 BASIC the best tool in the treatment of periodontal pockets, treatment of perimplantar and in the disinfection of root canals. The biostimulation action of the reparative metabolic processes that involving synthesis of fibroblasts, the increase microcirculation and the venous-lymphatic drainage, allow fast recovery of the joined epithelial and rapid cicatrization that improve the healing process. In the field of traumatology, the diode laser is used in the treatment and of many diseases allow a rapid resolution of pain and functional recovery of the effected part.

Preset applications

1 Decontamination of periodontal pockets	11 Dentine vitrification	25 Antalgic therapy
2 Gingivectomy and gingivoplasty	12 Endodontic material removal	26 Biostimulation
3 Implant uncovering	13 Dentine desensitization	27 General traumatology
4 Perimplantitis	14 General oral surgery	28 Myofascial pain syndrome
5 Perimplant defects /bone regeneration	15 Frenulum removal	29 TMJ treatment
6 Abutment groove/imprint taking	16 Fibroma removal	30 Telangiectasis treatment
7 Periodontal surgery (ie. gingival recession)	17 Blood coagulation	31 Condyloma treatment
8 Root canal treatment	18 Epithelial hypercromia	32 Wart treatment
9 Endodontic surgery (ie. apicectomy)	19 Oral leukoplakia treatment	33 Tooth whitening
10 Direct pulp hooding	20 Hemangioma treatment	
	21 Herpes treatment	
	22 Fistula treatment	
	23 Aphtha treatment	
	24 Impacted canine tooth	

Technical Data

Manufacturer: SWISS & WEGMAN SRL

Model: DG-5 BASIC

Code: PADLDG5B001.1

Power Supply: 100-240 V~

Power frequency: 50-60 Hz

Maximum Absorbed Current: 1.5A @ 115Vac, 0.75A @ 230Vac

Medical Class Device: II B

Insulation class I - applied part type BF

Laser class: IV

Dimensions: 26.5 x 20 x 10.5 cm (P x L x H)

Weight: 2.6 Kg (about)

Laser emission Mode: Selectable: Continuos - 500Hz - 1000Hz

Operating mode: Selectable: Continuos - Timer

Maximum Laser power: 5.0W

Adjustable laser power: 0.1 - 5.0W with step of 0.1W

Wavelenght: 810nm

Source laser Power: 10.0W

Accessories included

- 300 µm optical fibre
- Surgical handpiece
- Therapeutic handpiece
- Two pairs of protective googles
- Fibre-cutter
- Fibre-skinner
- Fibre-bearing stem
- Foot control pedal
- Interlock contact
- Power cable
- Clinical protocols
- User's manual

Optional Accessories

- 200 µm optical fibre



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