

DG-5 BASIC

LASER TECHNOLOGY



TECHNICAL DATA

CODE:	PADLDG5B001.1
POWER SUPPLY:	100-240 V ~
POWER FREQUENCY:	50-60 Hz
MAXIMUM ABSORBED CURRENT:	1.5A @ 115Vac, 0.75A @ 230Vac
MEDICAL CLASS / LASER CLASS:	II B / IV
INSULATION CLASS:	I - Applied Part Type BF
MAXIMUM POWER / LASER SOURCE:	5 W / 10 W
ADJUSTABLE LASER POWER:	0.1 - 5 W with step of 0.1 W
DIMENSIONS / WEIGHT:	26.5 x 20 x 10.5 cm (P x L x H) / 2.6 Kg (about)
WAVELENGTH:	810nm
MODE OF ISSUE:	Selectable: Continuous - 500 Hz - 1000 Hz
OPERATIVE MODE:	Selectable: Continuous - Timed

Accessories included

- 300 µm optical fibre
- Surgical handpiece
- Therapeutic handpiece
- Two pairs of protective goggles
- 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

It 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 hemostatis 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 Treatments

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