

# DG-5 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 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 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 Telangectasis 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       |                             |

**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: Continuous - 500Hz - 1000Hz

**Operating mode:** Selectable: Continuous - Timer

**Maximum Laser power:** 5.0W

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

**Wavelength:** 810nm

**Source laser Power:** 10.0W

## 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



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