Diode Surgical - Therapy Laser
CTL 1105MX - Doris Pro Duo
940nm - 10W + 635nm - 150mW

New!

Basic functional advantages

- Precise control of operation
- Maximum effect with minimum pain
- Minimal postoperation swelling
- Very well chosen parameters
- Easy exchange of applicators
- High patient and doctor comfort
- Portable and easy to operate
- High efficiency and effectiveness
- Easy to use

- External power meter for test
- Colour touch screen
- User identification by PIN code
- Switching on the laser beam by button on laser probe keyboard or on display
- Attractive design, modern styling
- Wide range of applications
- Durable and reliable - 2 years warranty!
- The highest quality and reliability!
Surgical cases

- Tumours, Hypertrophy
- Cyst of sublingual gland and of the submandibular gland
- Polyps, Hyperkeratosis, Growths
- Melanoma, papilloma, fibroma
- Melanotic lesion, iris tumour
- Removing the tartar

Coagulation

- Processing of wounds
- Sterilization of abscess,
- Stopping the bleeding
- Treatment of glaucoma, Retinopathies

Incision

- Incision of wounds
- Surgical processing of wounds
- Cutting out tumours, out conch
- Hypertrophy changes. Gingivitis
- Surgical treatment of respiratory tract
- Plastic surgery of soft palate

Therapy cases

- Abscesses, Arthritis
- Bleeding after tooth extraction
- Burns, Coming out of animal hair
- Complicated wounds
- Contact allergy, Coxarthrosis disease
- Cystitis, Decubitus, Dermatomycosis
- Disorders against spinal core
- Eczema, Epididymitis, Erosion of gums
- Fistulas, Frostbites, Hematoma
- Gingivitis, Gonarthrosis disease
- Granulation tissue hypertrophy
- Hip-joint degeneration disease
- Inflammation trigeminal nerve
- Pharyngitis, Wound healing
- Reducing pain, Swelling in inflammatory
- Sinusitis, Stomatitis
- Temporo-mandibular joint disease
- Tenonitis, Tonsillitis, Ulceration, Urticaria
- Viral laryngitis, Viral tracheitis
- Wound after resection of tooth

### Basic technical-usage parameters

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<th>Description</th>
<th>Surgical Laser - 940</th>
<th>Therapy Laser - 635</th>
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<tr>
<td>Laser type</td>
<td>diode - surgical</td>
<td>diode</td>
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<tr>
<td>Wavelength</td>
<td>940nm</td>
<td>635nm</td>
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<tr>
<td>Max. output power</td>
<td>10W</td>
<td>150mW</td>
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<tr>
<td>Operation mode</td>
<td>continuous (c.w.) or pulsed mode (p.m.)</td>
<td>continuous (c.w.)</td>
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#### Continuous mode (c.w.)

- Max. output power - $P_{cw}$: 10W, regulated from 0,1W to 10W with step 0,1W
- 150mW, regulated from 10mW to 150mW with step 10mW

#### Pulsed mode (p.m.)

- Max. output power - $P_p$: 10W, regulated from 0,1W to 10W with step 0,1W
- Min. pulse time - $T_p$: 20μs regulated to 3ms in few steps
- Frequency - $f$: 10kHz
- Average power - $P_{AV}$: 10W

### Display / Keyboard

- Colour TFT/ Touch
- Universal input (90 – 265) VAC, (50-60)Hz
- <30W
- Treatment point probe with flexible fiber optic applicator

### Power supply

- ON/OFF switch on probe keyboard or button START on LCD display or foot switch
- Class 4 laser safety, class I type B electrical safety
- 220mm x 150mm x 80mm (W x D x H) / ~1,2kg
- CTL 1105MX-0940-10.00 + 0635-150.22b.TT.DEN