



CO₂ Surgical - Therapy Laser

CTL 1401 - Azuryt Duo **GYN**

10600nm - 30W + 635nm - 150mW

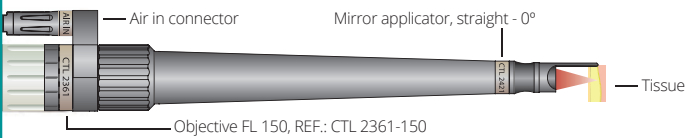


New!



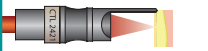
Seven-mirror articulated arm of laser beam
REF.:CTL 2454

Microsurgical handpiece probe with objective FL 150 - REF.: CTL 2353-150



Exchangeable mirror applicators for surgery

Mirror applicator, straight - 0°



REF.: CTL 2421-0401-125/00

Mirror applicator, angled - 30°



REF.: CTL 2422-0401-125/30

Mirror applicator, angled - 45°



REF.: CTL 2423-0401-125/45

Exchangeable applicators - for therapy

Rigid fiber applicator, angled - 15°



REF.: CTL 2201A-120-15

Lens applicator



REF.: d_a=8mm, S_a=0,5cm²

ISO 9001 • CE • ISO 13485

REF.: CTL 1401-1060-30.0 + 0635-.150.23b.TT.GYN

VER: E1.3-16.DC-EN.23b.GYN

Basic functional advantages

- Non-contact, bloodless surgeries with clear view of operative field
- Precise control of surgery
- Minimal post operative oedema
- Quick wound healing
- Maximum patient and doctor comfort
- Easy replacement of applicators
- Wide range of treatment accessories
- Efficient and light
- The highest quality and reliability
- Colour touch screen
- User identification by personal PIN code
- Easy-to-use, intuitive interface
- Interface switching on by identification PIN code card
- Radiation generation activated by foot switch or touch screen
- External, integrated power meter
- Modern design
- 2 years warranty !

CTL 1401- Azuryt Duo Laser

Examples of gynaecology applications

Surgical procedures

Surgical treatments of uterus, ovaries

- ablation of uterine myomas and fibroids
- intersection of uterosacral nerve, ligaments
- ovarian cysts, excision of endometriosis
- excision of adhesions, hydrosalpinx
- new mouth of fallopian tube in uterine wall
- disorders of fallopian tube, others

Cervical lesions

- cervical cysts, dysplasia, cervical conization
- cervical ectopy, endometriosis
- cervical plastic surgery, polyps
- cervical endothelium cancer, others

External genitalia lesions and vaginal diseases

- uterine, vulvar, vaginal dysplasia
- vulvar sebaceous adenoma, cysts
- vaginal and vulvar condylomata acuminata

Therapy procedures

Inflammations

- Cervical erosions
- Inflammation of the ovaries, appendages, vagina
- Bartholin's gland inflammation
- Wounds after abscess incisions
- Purulent inflammation of the nipple
- Lymphatic edema after mastectomy
- Burns after radiotherapy

Wounds and dermatosis

- Wounds after a cesarean section
- Wounds after electrocoagulation, electro-conization
- Postoperative wounds
- Eczema, lichen, vulvar cirrhosis
- Genital tract, ulcers, scars

Basic technical-usage parameters	Surgical Laser CO ₂ - 10600	Therapy Laser - 635
Laser type	CO ₂ gas laser	diode
Wavelength	10600nm	635nm
Max. output power	30W	150mW
Operation mode	continuous (c.w.) or pulsed mode (p.m.) or super pulsed mode (s.p.)	continuous (c.w.)
Continuous mode (c.w.)		
Max. output power - P _{c.w.}	30W, regulated from 0,5W to 30W with step 1W	150mW, regulated with 10mW step
Pulsed mode (p.m.)		
Max. pulse power - P _p	40W, regulated from 0,5W to 40W c 1W	
Min. pulse time - T _w	1ms, regulated to 2s with step 1ms	
Max. pulse frequency - f	100Hz, regulated from 5Hz to 100Hz with step 1Hz	
Super pulsed mode (s.p.)		
Max. pulse power - P _{s.p.}	90W, regulated from 10W to 90W with step 5W	
Min. pulse time - T _w	20μs, regulated from 20μs	
Max. pulse frequency - f	5000Hz, regulated from 100Hz to 5000Hz with step 100Hz	
Average power - P _{AV}	30W	
Beam delivery system	7-mirrors articulated arm	
Display / Keyboard	colour, LCD - TFT, touch-T	
Power supply / Power consumption	(90 - 260) VAC +10%, (50-60)Hz / <600W	
Switching control	by footswitch or button START on LCD screen	
Safety class	class 4 laser safety, class I type B electrical safety	
Dimensions / Weight	230mm x 300mm x 925mm (W x D x H) / ~25kg	
REference number	CTL 1401-1060-30.0+0635-.150.23x.TT.DER (x=b=beige; r=red; bl=blue)	