

CALCULASE II 20 W Holmium LASER

Enhanced Field of Application



CALCULASE II 20 W Holmium LASER

Experience the most precise and fastest treatment meeting your most challenging requirements in lithotripsy, treatments of tumors, strictures (UPJ) and soft tissue.

CALCULASE II continues the success of the CALCULASE by offering additional features:

- **20 Watts for powerful and precise treatments**
 - Finest cutting effect
 - Fastest lithotripsy
- **Automatic fiber detection**
 - Increases the ease of use
 - Enhances safety
- **Green pilot laser**
 - Visible even in challenging situations
- **Additional advantages**
 - Convenient mobility
 - Controlled power output
 - Integrated, silent cooling system

“The number of indications for flexible uretero-renoscopies have significantly increased during recent years. This trend will go on even more rapidly, due to the distinct tendency towards minimally-invasive treatments.

The keypoints for a successful treatment are:

- miniaturization of flexible Video-Uretero-Renoscopes (chip-on-the-tip technology) – **less than 8 Fr.**
- high maneuverability
- efficient Holmium Laser (20 W) combined with 230 μm laser fiber
- adequate nitinol baskets, ureteral access sheaths

Retrograde IntraRenal Surgery (RIRS) represents an achievement for endo-urologists and continues to evolve year after year into better management of patients with upper urinary tract diseases.”

M. GRASSO M.D.
Professor of Urology
New York Medical College
New York, USA

Prof. O. TRAXER,
Hôpital Tenon,
Paris, France





20 Watt LASER Power

The brand CALCULASE II stands for a cost-effective and efficient Ho:YAG laser system for endoscopic fiber-guided laser lithotripsy. Furthermore, the system can be used for various soft-tissue treatments in the urinary tract including strictures in the uretero-pelvic junction (UPJ) and the ablation of transitional cell carcinomas.

Multiple Laser Fibers and Instruments

KARL STORZ offers laser fibers in different sizes (230, 365 and 600 μm) for single and multiple use.

Together with our broad range of rigid and flexible ureterorenoscopes with fiberoptics and sensor technology, KARL STORZ provides the ideal and complete solution for stone therapy and soft tissue treatment.

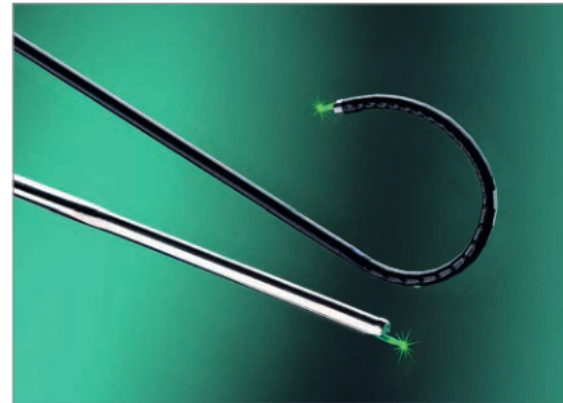
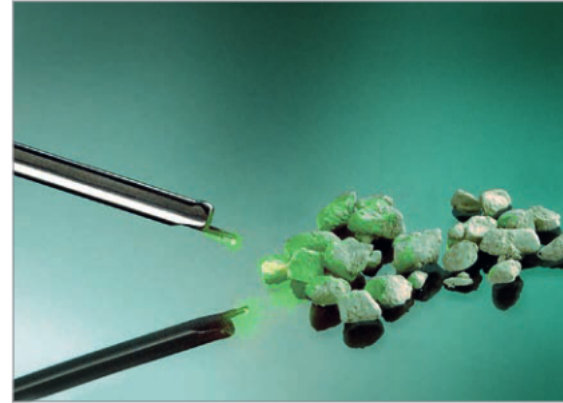
Automatic Fiber Detection

CALCULASE II automatically assures the correct settings of maximal energy and therefore avoids any damage to fibers and devices.

Mobility

Due to its compact design, CALCULASE II is a highly versatile and portable system.

With its newly designed handles, the laser unit can be placed in the equipment cart and then rolled easily.





CALCULASE II SCB

Holmium LASER System for Endoscopic Stone Therapy and Soft Tissue Treatment, Recommended Standard Set Configuration



- 27 7502 01-1 CALCULASE II SCB**, Holmium LASER system with KARL STORZ-SCB, power supply 230 VAC, 50/60 Hz including:
- Mains Cord**
 - One-Pedal Footswitch**
 - Key Set**
 - Remote Interlock Connector**
 - Safety Goggles Ho:YAG Laser, 2080 nm**
 - SCB Connecting Cable, length 100 cm**
 - Ion Exchanger**

27 7502 01U1 Same, power supply 115 VAC, 50/60 Hz

Please note:

Each lithotripsy system requires a LASER fiber basic set:
27 7502 87 or **27 7502 86**

Parameter matrix for 230 µm fibers

Energy (J)	Frequency				
	4 Hz	6 Hz	8 Hz	10 Hz	15 Hz
0.5 J	2 W	3 W	4 W	5 W	-
0.8 J	3.2 W	4.8 W	6.4 W	8 W	-
1.2 J	4.8 W	7.2 W	9.6 W	12 W	-
1.7 J	-	-	-	-	-
2 J	-	-	-	-	-

Parameter matrix for 365 µm and 600 µm fibers

Energy (J)	Frequency				
	4 Hz	6 Hz	8 Hz	10 Hz	15 Hz
0.5 J	2 W	3 W	4 W	5 W	7.5 W
0.8 J	3.2 W	4.8 W	6.4 W	8 W	12 W
1.2 J	4.8 W	7.2 W	9.6 W	12 W	18 W
1.7 J	6.8 W	10.2 W	13.6 W	17 W	-
2 J	8 W	12 W	16 W	20 W	-

Parameters are selected via cable coding.

Accessories for CALCULASE II

Fiber-Sets, reusable



27 7502 71-P6 CALCULASE II Fiber 230 μm , reusable, sterile,
length 300 cm, package of 6

27 7502 72-P6 CALCULASE II Fiber 365 μm , reusable, sterile,
length 300 cm, package of 6

27 7502 73-P6 CALCULASE II Fiber 600 μm , reusable, sterile,
length 300 cm, package of 6

27 7502 87 CALCULASE II Fiber Kit,
including:
3x **CALCULASE II Fiber 230 μm** , reusable, sterile
3x **CALCULASE II Fiber 365 μm** , reusable, sterile
3x **CALCULASE II Fiber 600 μm** , reusable, sterile

Fiber Sets, for single use



27 7502 77-P6 CALCULASE II Fiber 230 μm , for single use, sterile,
length 300 cm, package of 6

27 7502 78-P6 CALCULASE II Fiber 365 μm , for single use, sterile,
length 300 cm, package of 6

27 7502 79-P6 CALCULASE II Fiber 600 μm , for single use, sterile,
length 300 cm, package of 6

27 7502 86 CALCULASE II Fiber Kit,
including:
3x **CALCULASE II Fiber 230 μm** , for single use, sterile
3x **CALCULASE II Fiber 365 μm** , for single use, sterile
3x **CALCULASE II Fiber 600 μm** , for single use, sterile

Optional accessories



27 7502 80

Fiber Stripper Set, sterilizable,
for use with CALCULASE II fibers
including:
Silicone Pad
Ceramic Knife
Fiber Strippers 230, 365 and 600 µm



27 7500 95

Safety Goggles Ho:YAG LASER,
suitable for 2080 nm, for both spectacle
and non-spectacle wearers, absorbing
plastic filter, flexible earpieces, lightweight,
for use with CALCULASE II 27 7502 20-1 and
CALCULASE 27 7501 20-1

CALCULASE II SCB Equipment Cart

Special Features:

- Flexible use of CALCULASE II SCB in various ORs
- Spacious storage room for accessories and expendable materials in two lockable drawers (LASER safety goggles or LASER fibers)
- Integrated cable winding and footswitch holder maintain an uncluttered OR
- Easy to transport due to large, smooth-running and antistatic dual wheels
- Powder-coated panels and shelves meet the most stringent quality and hygiene standards



UG 210

UG 210

Equipment cart, wide, low, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, double rear panel with integrated electrical subdistributors with 6 sockets, potential earth connectors,

Dimensions in mm (w x h x d):

Equipment cart: 830 x 1265 x 730,

shelf: 630 x 25 x 510,

caster diameter: 150 mm,

including:

Base module, equipment cart, wide

Cover, equipment cart, wide

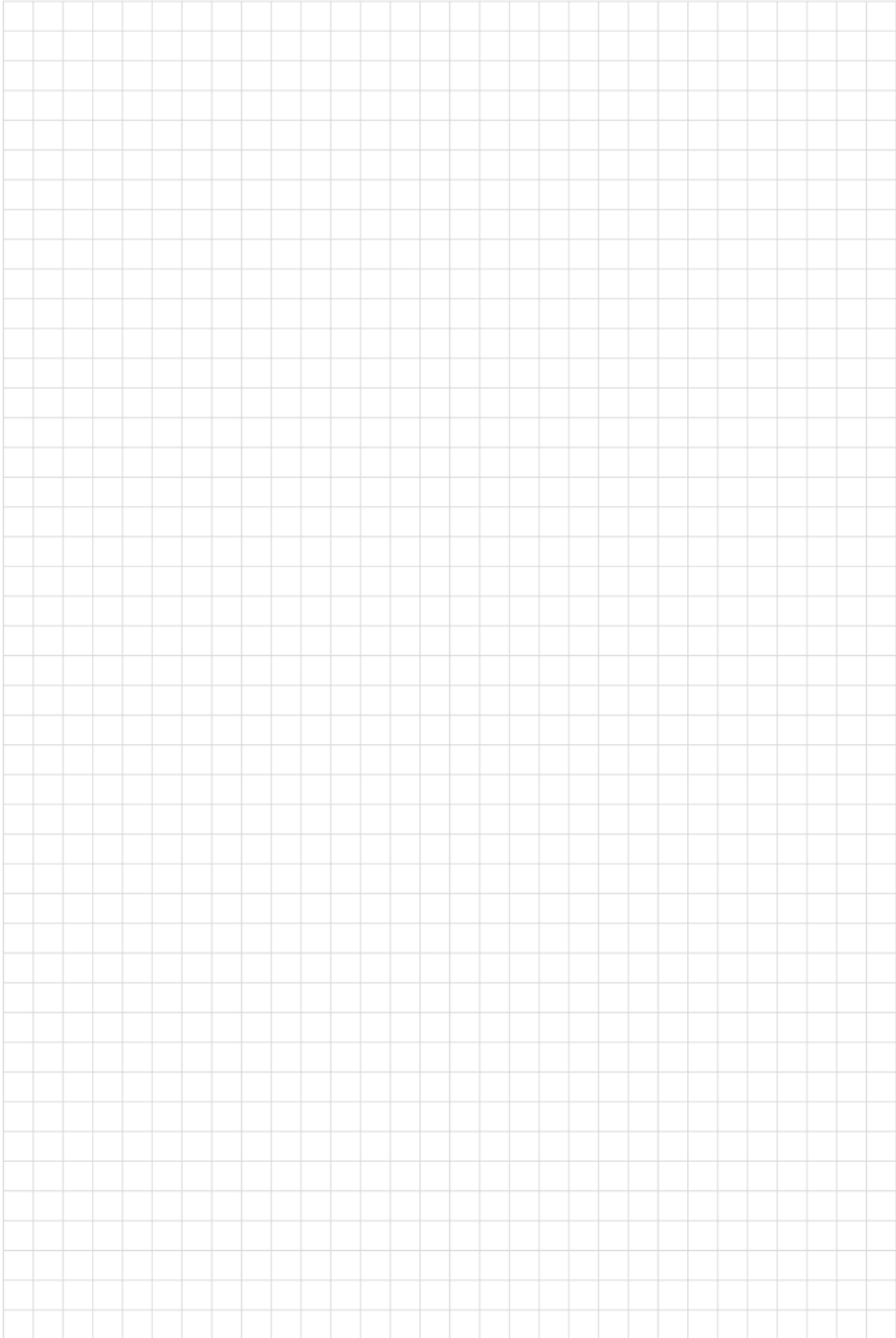
Beam package, equipment cart, low

Shelf, wide

2x **Drawer unit with lock**, wide

2x **Equipment rail**, long

Notes





STORZ
KARL STORZ—ENDOSKOPE

THE DIAMOND STANDARD



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