



RZ Endoscopy Devices



INDEX

CAMERAS & VISUALIZATION	3 - 18
LIGHT SOURCES	19 - 26
INSUFFLATION	27 - 30
SUCTION & IRRIGATION SYSTEMS	31 - 38
HF SURGERY	39 - 44
ARTHROSCOPY SHAVER	45 - 48
LITHOTRIPSY	49 - 52
MONITORS	53 - 55
DOCUMENTATION SOFTWARE	56 - 67
TROLLEY / TOWER	58 - 59

CAMERA

CAMERAS & VISUALIZATION



4K 3-Chip UHD Camera K4000

300-001-840

4K



Features:

- 4K UHD resolution with 3-chip technology
- Image algorithm enhancement of color and structure
- 4K video recording
- 4K image saving
- Camera head with 4 programmable buttons
- Boost function
- Fog reduction
- Freeze function
- 2.5x digital zoom
- 10 USER mode configurations
- Multilingual on screen menu
- SDI 4K Output
- Text generator (optional with keyboard)

DELIVERY CONTAINS:

- Main Unit (300-001-840)
- Camera head (300-001-841)
- HDMI cable
- USB Pen Drive
- Mains cable
- Operating manual

HYS LAP ENT URO SPINE

CAMERA

Technical data

Line voltage	100-240 VAC
Power consumption	60VA
Image sensor	3 MOS
Resolution	3840 x 2160 pixels (4K)
Index ratio	16:9
N/N ratio	54db

Video outputs	1x HDMI 4K
	1x HDMI FullHD
	1x SDI 4K
	1x SDI FullHD
Dimensions	Control unit: 355 x 103 x 350mm (WxHxD)
	Weight control unit: 6.2kg
	Weight camera head: 145g

Optional available:



300-001-610
Footswitch for HD Cameras,
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.



3 CHIP HD-CAMERA F4

300-001-804

PURE NATURAL COLORS 



Features:

- Full HD camera with 3-chip MOS technology
- Pure Natural Colors technology
- Full HD video recording
- Full HD image saving
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- Different digital video outputs
- Text generator (optional with keyboard)

DELIVERY CONTAINS:

- Main Unit (300-001-804)
- Camera head (300-001-802)
- 2x BNC cable ■ HDMI - DVI cable ■ HDMI cable
- USB Flash Drive ■ Mains cable
- Operating manual

HYS LAP ENT URO SPINE

CAMERA

Technical data

Line voltage	100-240 VAC
Power input	20W
Image sensor	3 MOS
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

Optional available:



300-001-610
Footswitch for HD Cameras,
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.

Video outputs

Digital

2 x HD SDI
1x HDMI / DVI 2x CVBS

Analog

1 x YPbPr / RGB
1 x Y/C (Pal/NTSC)
1x CVBS (Pal/NTSC)

Shutter speed

1/50 (1/60) to 1/100.000sec

Dimensions

Control unit: 380 x 120 x 360mm (WxHxD)
Weight control unit: 11kg
Weight camera head: 145g



HD-Camera F3 - High End

300-001-800

PURE NATURAL COLORS 



Features:

- Full HD camera with 3-chip MOS technology
- Pure Natural Color technology
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- Different digital video outputs
- Text generator (optional with keyboard)

DELIVERY CONTAINS:

- Main Unit (300-001-800)
- Camera head (300-001-802)
- 2x BNC cable ■ HDMI - DVI cable ■ HDMI cable
- S-Video cable ■ Mains cable
- Operating manual

HYS LAP ENT URO SPINE

CAMERA

Technical data

Line voltage	100-240 VAC
Power input	20W
Image sensor	3 - Chip
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

Video outputs	1 x HDMI / DVI 1 x YPbPr (Component) 1 x Y/C (Pal/NTSC) 1x CVBS (Pal/NTSC)
Shutter speed	1/50 (1/60) to 1/100.000sec
Dimensions	Control unit: 380 x 120 x360mm (WxHxD) Weight control unit: 11kg Weight camera head: 145g

Optional available:



300-001-610
Footswitch for HD Cameras,
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.



HD Camera F2 PRO

300-001-601



Features:

- Full HD camera with 1-chip MOS technology
- Natural color technology
- Full HD video recording
- Full HD image saving
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- HDMI video outputs
- Text generator (optional with keyboard)

DELIVERY CONTAINS:

- Main Unit (300-001-601)
- Camera head with 3m cable (300-001-602)
- BNC cable ■ HDMI - DVI cable
- HDMI cable ■ S-Video cable ■ USB Flash Drive
- Mains cable ■ Operating manual

HYS ENT URO SPINE

CAMERA

Technical data

Line voltage	100-240 VAC
Power input	30W
Image sensor	1/3" MOS
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

Video outputs

2 x HD SDI (optional)
 1 x HDMI / DVI
 1 x Y-Pb-Pr (Component)
 1 x Video (PAL/NTSC)
 1 x S-Video (PAL/NTSC)

Dimensions

Control unit: 380 x 120 x 360mm (WxHxD)
 Weight control unit: 11kg
 Weight camera head: 105g

Optional available:



300-001-610
 Footswitch for HD Cameras,
 cable length: 2m



300-001-615
 Title generator keyboard, waterproof IP68
 US-Layout, cable 1.8m, color: grey
 305 x 140 x 15mm, 600gr.



HD-Camera F1

300-001-600



Features:

- Full HD camera with 1-chip MOS technology
- Natural color technology
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- HDMI video outputs
- Text generator (optional with keyboard)

DELIVERY CONTAINS:

- Main Unit (300-001-600)
- Camera head with 3m cable (300-001-602)
- BNC cable ■ HDMI - DVI cable
- HDMI cable ■ S-Video cable
- Mains cable ■ Operating manual

HYS ENT URO SPINE

CAMERA

Technical data

Line voltage	100-240 VAC
Power input	20W
Image sensor	1/3" MOS
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

Video outputs	1 x HDMI
	1 x YPbPr / RGB
	1 x S-Video (Y/C; Pal / NTSC)
	1 x Video (CVBS; Pal / NTSC)
Dimensions	Control unit: 380 x 120 x 360mm (WxHxD)
	Weight control unit: 11kg
	Weight camera head: 105g

Optional available:



300-001-610
Footswitch for HD Cameras,
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.



Camera Z2

300-001-410



Features:

- Full HD camera with 1-chip technology
- Bright color technology
- Video and Picture recording
- Camera head with 3 programmable buttons
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu

DELIVERY CONTAINS:

- Main Unit (300-001-410)
- Camera head (300-001-410.1)
- HDMI/DVI Cable
- HDMI cable
- 4GB USB Pen Drive
- Mains cable
- Operating manual

CAMERA

Technical data

Line voltage	100-240 VAC
Image sensor	1/3" MOS
Resolution	1920 x 1080 pixels (FullHD)
Index ratio	16:9
Outputs	1x HDMI
Connections	1x USB, 1x Remote IN 2 x Remote OUT, 2x RJ45

Safety class (EN 60601-1)	I
Classification (EU 2017/745)	I
Application part	BF
Dimensions	Control Unit: 380 x 132 x 378 mm (WxHxD) Camera Head: Ø 38 x 79mm
Weight	Control Unit: approx. 9kg Camera Head: 180g

Optional available:



300-001-610
Footswitch
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.



Camera Z1

300-001-400



Features:

- Full HD camera with 1-chip technology
- Bright color technology
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu

DELIVERY CONTAINS:

- Main Unit (300-001-410) ■ Camera head (300-001-410.1)
- HDMI/DVI Cable ■ HDMI cable
- Mains cable ■ Operating manual

CAMERA

Technical data

Line voltage	100-240 VAC
Image sensor	1/3" MOS
Resolution	1920 x 1080 pixels (FullHD)
Index ratio	16:9
Outputs	1x HDMI
Connections	1x Remote IN 2 x Remote OUT, 2x RJ45

Safety class (EN 60601-1)	I
Classification (EU 2017/745)	I
Application part	BF
Dimensions	Control Unit: 380 x 132 x 378 mm (WxHxD) Camera Head: Ø 38 x 79mm
Weight	Control Unit: approx. 9kg Camera Head: 180g

Optional available:



300-001-610
Footswitch
cable length: 2m



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey
305 x 140 x 15mm, 600gr.



TV COUPLER



300-001-823 f=14mm
300-001-824 f=25mm
300-001-825 f=28mm
c-mount, soakable

4K
FULL HD



250-015-030
Zoom-TV-Adapter
f=15 - 30mm
c-mount, soakable

4K
FULL HD



250-022-018 f=18mm
250-022-025 f=25mm
90°, c-mount, soakable

FULL HD



300-001-813 f=14mm
300-001-814 f=25mm
300-001-815 f=28mm
c-mount, soakable

FULL HD

LIGHT SOURCE

LIGHT SOURCES



LUMEN LED 3 PRO

300-900-300

LED



Features:

- 6500K daylight color temperature
- 375 Watt equivalent output power
- > 20.000 hours lifetime
- Turret connector for the most common light cables (Olympus, Wolf, Gyrus ACMI, Storz)
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Boost function: light increase of 20%

DELIVERY CONTAINS:

- Main Unit (300-900-300)
- BNC cable (optional)
- Mains cable
- Operating manual

HYS LAP ENT URO SPINE

LIGHT SOURCE

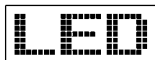
Technical data

Line voltage	100-240 VAC
Video input	1x Video, BNC
Protection class	1 (acc. IEC 60601-1) 1 (acc. MDD 93/42/EEC)
Safety class	BF
Standard	IEC 60601-1-2
Dimensions	380 x 120 x 360mm (WxHxD)
Weight	approx. 11kg



LUMEN LED 1

300-900-180



Features:

- More than 20.000h lamp lifetime
- 180 Watt equivalent power output
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Daylight color temperature 6000 – 6500° K for accurate color representation
- Boost function: light increase of 20%

DELIVERY CONTAINS:

- Main Unit (300-900-180)
- BNC cable
- Mains cable
- Operating manual

HYS ARTH ENT URO SPINE

LIGHT SOURCE

Technical data

Line voltage	100-240 VAC
Power consumption	130VA
Video input	1x Video, 1x S-Video (Y/C) (automatic version only)
Protection class	1 (acc. IEC 60601-1) 1 (acc. MDD 93/42/EEC)
Safety class	BF
Dimensions	380 x 120 x 360mm (WxHxD)
Weight	approx. 11kg



LUMEN X 7

300-001-308



Features:

- Automatic and manual light intensity control
- 2 turret adapters
- 300 Watt daylight quality
- > 500h XENON lamp lifetime
- Powerful 300 Watt XENON glow-discharged lamp fixed in a reflector, calibration is not necessary
- Mechanical diaphragm is used to adjust the output intensity without influencing the colour temperature.
- Easy lamp replacement
- 150 Watt LED backup lamp guarantees continuous working even in the event that the main XENON lamp becomes inoperative

DELIVERY CONTAINS:

- Main Unit (300-001-308)
- BNC cable
- Mains cable
- Operating manual

HYS LAP ENT URO SPINE

LIGHT SOURCE

Technical data

Line voltage	100-240 VAC
Power consumption	370W
Video input	1 x VBS (1Vpp/75Ω), BNC
Protection class	1 (acc. IEC 60601-1) 1 (acc. MDD 93/42/EEC)
Safety class	BF
Dimensions	380 x 125 x 360mm (WxHxD)
Weight	approx. 11kg



300-001-301
XENON Spare Lamp
300 Watt



LIGHT GUIDE CABLES



Adaptor pieces to use with **endoscope**



250-042-000
250-042-400 for ICG/NRI
RZ/Storz/Olympus



250-040-000
Wolf



250-041-000
ACMI/British Standard

XENON/LED Light Guide Cables
with melt and bending protection

250-025-230 Ø 2.5mm, 2300 mm

250-025-300 Ø 2.5mm, 3000 mm

250-035-180 Ø 3.5mm, 1800 mm

250-035-230 Ø 3.5mm, 2300 mm

250-035-300 Ø 3.5mm, 3000 mm

250-048-180 Ø 4.8mm, 1800 mm

250-048-230 Ø 4.8mm, 2300 mm

250-048-300 Ø 4.8mm, 3000 mm

Adaptor pieces to use with **light source**



250-039-000
250-039-400 for ICG/NRI
RZ/Storz



250-038-000
ACMI/CUDA



250-048-000
Luxtec



250-051-000
Stryker



250-037-000
250-037-400 for ICG/NRI
Wolf



250-044-000
Olympus



250-045-000
Olympus - Standard



250-052-000
Heine



250-059-000
Pentax

ICG/NIR LIGHT CABLE



(without adapter)

250-148-230 Ø 4.8mm, 2300 mm

INSUFFLATION

INSUFFLATION DEVICES



AIRFLOW A2/3/4

- 300-900-020 20L/min
- 300-900-021 20L/min, with heating unit
- 300-900-030 30L/min
- 300-900-031 30L/min, with heating unit
- 300-900-040 45L/min
- 300-900-041 45L/min, with heating unit



Features:

- User-friendly interface
- Highest safety standard for patients
- All units are available with or without CO₂ heating system
- Pre-insufflation mode for use with Verres Cannulas
- Non-heating unit have the same gasflow rates as heating unit models

DELIVERY CONTAINS:

- Main Unit (300-900-020/-021/030/-031/-040/-041)
- Sterile Filter (300-902-007) (TP Product)
- Wrench Set (300-902-006)
- CO₂ High Pressure Tube (300-902-003)
- Standard Silicone Tube (300-902-005)
- Silicone Tube (300-902-004), only heater-version
- Gas Heater with tube (300-902-001), only heater-version
- Operating manual ■ Mains cable

INSUFFLATION

Technical data

Line voltage	100-240 VAC
Power consumption	25 - 40W 25-105W (with gas heating) max. 0.4A (max. 1A with gas heating)
Frequency	50 - 60Hz
Insufflation pressure	1 - 30mmHG
Gas flow	1-20L/min (300-900-020 / -021) 1-30L/min (300-900-030 / -031) 1-45L/min (300-900-040 / -041)



Optional available:
300-902-008
CO₂ Bottle, 0.75kg, empty

Gas connection	UNF 7/16" male
Gas type	Medical Grade Carbon Dioxide
Dimensions	380 x 120 x 360 mm (WxHxD)
Weight	11kg



AIRFLOW A2/3/4 ACCESSORIES

Included in the set



Sterile Filter
300-902-007



CO₂ High Pressure Tube
300-902-003



Standard Silicone Tube
300-902-005



Silicone Tube (only Heater-Version)
300-902-004



Gas heater with tube (only Heater-Version)
300-902-001

SUCTION & IRRIGATION

SUCTION & IRRIGATION SYSTEMS



LAP Suction and Irrigation Pump P3000

300-000-300



Features:

- Double roll pump for precise suction and irrigation during laparoscopic surgeries
- Optional footswitch available
- Digital display of actual suction and irrigation pressures
- High flow rates up to 3L/min
- Color coded tubing sets
- Standby function
- Hand remote controlled

DELIVERY CONTAINS:

- Pump device (300-000-300)
- Cannula 5mm (300-000-302)
- Cannula 10mm (300-000-303)
- Silicone Tubing Set (300-000-301)
- Tube Adapter (300-000-304)
- Pneumatic Control Handle (300-000-305)
- Double-Lumen Control Tube (300-000-306)
- Mains cable ■ 2 Spare fuses ■ Operating manual

SUCTION & IRRIGATION

Technical data

Line voltage	100-240 VAC
Power input	36W
Irrigation power	0 - 3.000ml/min
Suction power	0 - 3.000ml/min
Max. pressure	0 - 750mmHg
Measurements	380 x 130 x 400mm (WxHxD)
Weight	approx. 11kg

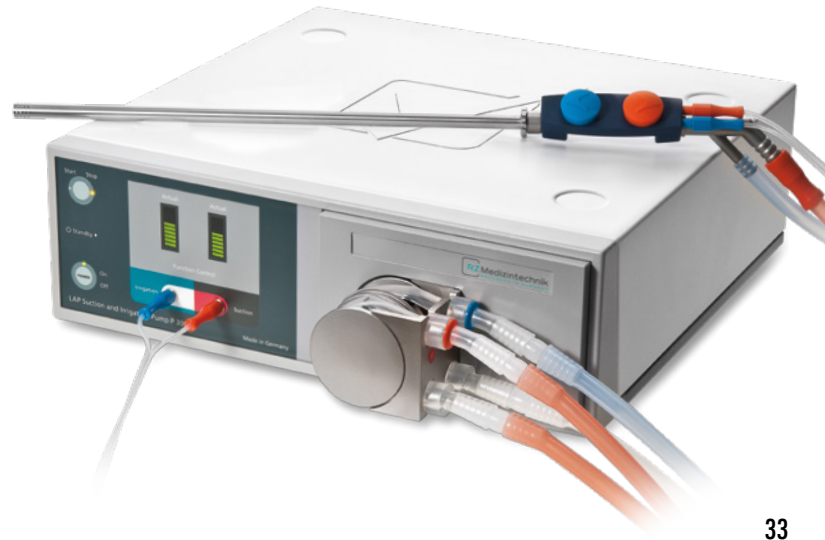
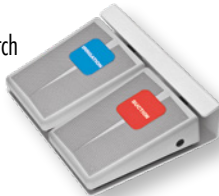
Optional available:

300-000-308

Adapter with instrument connector, autoclavable

300-000-307

Pneumatic double footswitch



LAP Suction and Irrigation Pump P1000

300-000-100



Features:

- Dual suction and irrigation vacuum pump
- Digital display of suction and irrigation pressures
- High rates up to 3L/min
- Color coded tubing sets
- Standby function
- Low noise level
- Hydrophobic disposable filters

DELIVERY CONTAINS:

- Pump device (300-000-100)
- Suction and irrigation tubing set (300-000-102)
- Aspiration bottle 2L with overflow valve (300-000-101)
- Puncture tube 235mm (300-001-521)
- 2 Hydrophobic disposable sterile filters (300-000-103)
- 2 Bottle Holders with screws
- Mains cable
- 2 Spare fuses
- Operating Manual

SUCTION & IRRIGATION

Technical data

Line voltage	100-240 VAC
Power input	80VA
Irrigation power	3L/min
Suction power	3L/min
Max. vacuum	- 525mmHG
Max. pressure	0 - 750mmHG
Measurements	380 x 120 x 360mm (WxHxD) with Aspiration Bottle Retainers approx. 440 x 120 x 360mm
Weight	Device: approx. 11kg Aspiration Bottle-Retainer: (for 1 Liter = 0.34kg, for 2 Liter = 0.44kg)

Optional available:



300-000-110
Start/Stop - Footswitch



ARTHRO/URO/HYS Pump P1

225-906-000 for Arthroscopy
253-910-000 for Urology
351-100-200 for Hysteroscopy

Features:

- Irrigation Pump for different indications
- Pump leveling adjustment
- Pressure controlled roller pump



DELIVERY CONTAINS:

- Pump device (225-906-000/253-910-000/351-100-200)
- Tubing set (225-910-001)
- Mains cable
- 2 Spare fuses
- Operating manual

ARTH HYS URO

SUCTION & IRRIGATION

Technical data

Line voltage	100-240 VAC
Power input	80VA
Irrigation power	Arthroscopy: 0 - 1.5L/min Urology: 0 - 1.0L/min Hysteroscopy: 0 - 0.5L/min
Pressure range	Arthroscopy: 10 - 150mmHG Urology: 10 - 150mmHG Hysteroscopy: 10 - 200mmHG
Measurements	380 x 130 x 400mm (WxHxD)
Weight	approx. 11kg

Accessories (Arthroscopy)

225-910-001	Irrigation Tubing Set, silicone, autoclavable	non-sterile	included
225-910-002	Irrigation Tubing Set, PVC, 20 pieces, daily tube	sterile	optional
225-910-003	Patient tube, PVC, 2.5m, 40 pieces	sterile	optional

Accessories (Urology)

253-910-001	Irrigation Tubing Set, silicone, autoclavable	non-sterile	included
253-910-002	Irrigation Tubing Set, PVC, 20 pieces, daily tube	sterile	optional
253-910-003	Patient tube, PVC, 2.5m, 40 pieces	sterile	optional

Accessories (Hysteroscopy)

253-910-001	Irrigation Tubing Set, silicone, autoclavable	non-sterile	included
253-910-002	Irrigation Tubing Set, PVC, 20 pieces, daily tube	sterile	optional
253-910-003	Patient tube, PVC, 2.5m, 40 pieces	sterile	optional



NOTES

HF SURGERY

HF SURGERY DEVICES



HF UNIT G400

700-350-400 Electrosurgical Generator G400, 230V

700-350-410 Electrosurgical Generator G400, 110V



Features:

- Monopolar/bipolar cutting and coagulation
- Automatic identification of connected instruments
- Powerstart System simplifies the beginning of cutting process
- Automatic power regulation
- 105 different memory locations in 7 groups
- Various output configuration of the sockets available
- 10" Touchscreen
- Tiltable display
- Footswitch (optional)
- Available with Argon and / or the RZeal
- Real-time output monitoring

DELIVERY CONTAINS:

- Main Unit
- Mains Cable
(Footswitch not included)

HYS LAP ENT URO SPINE

G400

Technical data

Line voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Power consumption	1350 VA
Generator operation frequency	333kHz
Display	TFT 10"
Defibrillation impulse resistance	acc. to EN 60601-1
NEM system	neutral electrode control optical indication 7 levels required resistance < 240 Ω
Gas type	pure argon 4.8 (99,998%) or higher
Inlet gas pressure	0.25-0.4 [MPa]
Monopolar coagulation	200W
Monopolar cutting	400W
Bipolar coagulation	400W
Bipolar cutting	400W

Optional available:
700-350-405
2-Button-Footswitch, length: 5m
700-350-402
3-Button-Footswitch, length: 5m, quick access key



Gas outflow	0.1-10 l/min, regulated 0.1 l/min in whole range
Pressure range	reducer (0.4 MPa) on argon cylinder
Vessel sealing system	9 effects/300W
AutoStop	automatic stop of sealing process after achieving the optimal effect
Dimensions	495 x 415 x 225mm (LxWxH)
Weight	12.2kg



HF UNIT G44

700-340-400 Electrosurgical Generator G44, 230V

700-340-410 Electrosurgical Generator G44, 110V



Features:

- Monopolar/bipolar cutting and coagulation
- Automatic instrument detection system
- Intuitive Touchscreen
- Automatic power regulation
- Configurable working modes
- Real-time parameter control
- Special endoscopic modes
- Bipolar resection
- Easy software update

DELIVERY CONTAINS:

- Main Unit
- Mains Cable
(Footswitch not included)

HYS **URO** **ARTH**

Technical data

Line voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Power consumption	1350 VA
Generator operation frequency	333kHz
Display	TFT 7" WVGA
Spectrum result system	automatic power regulation
Monopolar coagulation	max. 200W (200Ω)
Monopolar cutting	max. 400W (100Ω)
Bipolar coagulation	max. 400W (25Ω)
Bipolar cutting	max. 330W (150Ω)

Optional available:
700-350-405
2-Button-Footswitch, length: 5m

700-350-402
3-Button-Footswitch, length: 5m, quick access key



NEM system

neutral electrode control,
optical indication,
required resistance < 240 Ω

Dimensions	385 x 305 x 141mm (LxWxH)
Weight	7kg



NOTES

SHAYER

ARTHROSCOPY SHAYER



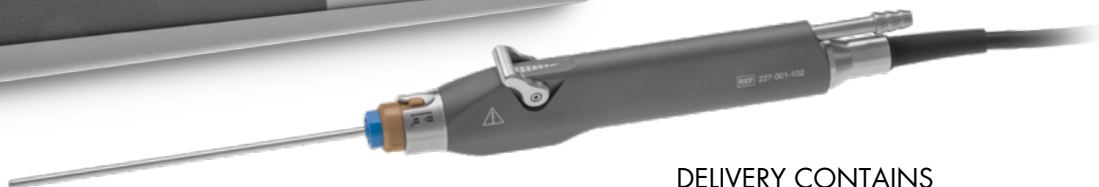
STUNNER S1

227-001-101



Features:

- Open window calibration of shaver blades
- 9 oscillation modes
- Forward / Backward 500 - 8000rpm
- Controlled by handpiece or by footswitch
- Fully autoclavable, small and ergonomic handpiece
- Dedicated shaver blades



DELIVERY CONTAINS (complete Set 227-001-110):

- Main Unit (227-001-101)
- Handpiece, without blade (227-001-102)
- Footswitch (227-001-103)
- Mains Cable

SHAYER

Technical data STUNNER CONTROL UNIT S

Line voltage	100-240 VAC
Power consumption	20 - 35VA
Speed range	FWD, REV: 500 - 8000 RPM (+/- 10%) OSC: 500 - 3500 RPM (+/- 10%)
Oscillation modes	9
Dimensions	380 x 360 x 125 (WxDxH)
Weight	7.62kg

Technical data HANDPIECE

Buttons	ON/OFF, window calibration, direction change (FWD, OSC, REV) change of oscillation modes
Dimensions	164mm, 3m cable length
Weight	350g

Technical data FOOTSWITCH

Functions	Speed Up, Speed Down, START/STOP, Window Size, Direction (FWD, OSC, REV)
Dimensions	280 x 215 x 28(WxDxH), 3.2m cable length

Stunner Hand Piece
227-001-102



Stunner Footswitch
227-001-103



STUNNER Control Unit S
227-001-101



NOTES

LITHOTRIPSY

LITHOTRIPSY DEVICES



LITHOTRIPTER L100

253-750-100



Features:

- Pure mechanical energy transmission
- The smallest probe diameter of 0.6mm
- Auxiliary instruments can also be inserted
- Very simple handling and cleaning
- Compatible to other RZ and other instruments for the therapy of ureteric, renal and bladder stones
- Non-conductive hand piece to ensure safety for patients as well as users

DELIVERY CONTAINS:

- Main Unit (253-750-100)
- Operating manual
- Mains cable

LITHOTRIPSY

Technical data

Line voltage	115-230 VAC
Pneumatic power source	3.5 – 6.5 bar, compressed medical air
Pulse rate control (ppm)	50 – 600 ppm 10 ppm increments between 50 - 100 ppm 50 ppm increments between 100 - 600 ppm

Dimensions	254 x 113 x 305mm (WxHxD)
Weight	6.5kg



Optional available:
253-750-010
Air compressor, 4 bar maximum



LITHOTRIPTER L100 ACCESSORIES



Litho Probe, 605mm working length

253-850-006	0.6mm
253-850-008	0.8mm
253-850-010	1.0mm

253-850-016	1.6mm
253-850-020	2.0mm, 450mm length
253-850-025	2.5mm, 450mm length



253-750-150
Footswitch



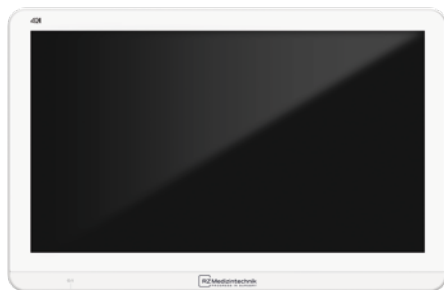
253-750-200
Hand piece, anodised

MONITORS

MONITORS



MONITORS



300-001-031 UHD 4K Monitor, 31"

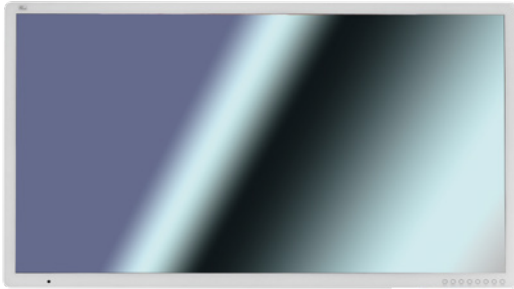
Screen size	31" diagonal
Resolution	4096 x 2160
Aspect ratio	17:9
Viewing angle	178°
Number of colors	1.08 Billion (10-bit)
Video Inputs	1 x HDMI 2.0 1 x DP 1.2 (SST) & 1 x DP 1.2 (MST) 1 x DVI (single link), 4 x SDI (3G)
Video Outputs	1 x DP 1.2 (SST) 1 x DVI (single link), 4 x SDI (3G)
Weight	10.5kg



300-001-168 32"
300-001-158 27"
HD Monitor

Screen size	32" / 27" diagonal TFT LCD
Resolution	1920 x 1080
Aspect ratio	16:9
Viewing angle	178°
Numbers of colors	16.7 Million (8-bit)
Video Inputs	2x HDMI, 1x DP, 2x SDI
Video Outputs	1x HDMI, 2x SDI
Weight	11.5kg / 8.5kg

MONITORS



300-001-055 UHD 4K Monitor, 55"

Screen size	55" diagonal
Resolution	3840 x 2160
Aspect ratio	16:9
Viewing angle	178°
Numbers of colors	1.08 Billion (10-bit)
Video Inputs	1 x HDMI 2.0, 2 x DP 1.2 (55T) 1 x DVI (single link), 2 x DVI (dual link) 4 x SDi (3G), 2 x SDi (12G)
Video Outputs	1 x DVI (single link), 1 x DP 1.2 (SST) 4 x SDI (3G), 2x SDI (12G)
Weight	37.35kg



300-001-028
Monitor Table Stand

Column height	305mm, 12"
Oriantations	Landscape or page mode
Adjustments	+/- 20°
Max. load	31" / 13.6kg / 30lbs

All monitors will be delivered without table stand - need to be ordered separately.

DOCUMENTATION SYSTEM

300-001-199

RZ Medical Workstation PRO (**with** DICOM worklist)

300-001-198

RZ Medical Workstation (**without** DICOM worklist)



Features:

- Stand-alone device
- Recording of videos and pictures
- PACS support DICOM worklist/store
- Playing videos with abstraction of individual images
- Manual editing of comments for sessions and recordings
- Graphical marking tools
- Creation of reports incl. patient information, pictures, videos and comments
- Full-text search in data base
- User management including import, adaption and export of patients
- LIVE OR communication via e.g. Zoom, Skype or Teams
- Hospital Safety guidelines (Windows based network and firewall)

WORKSTATION

Technical data

Classification	Class 1 according to 93/42/EWG
Video format	MPEG2, DV-AVI
Video resolution	Input signal: 640x480 pixels (NTSC), 768x576 pixels (PAL), 1920x1080 pixels (Full HD) Stored video: 720x480 pixels (NTSC), 720x576 pixels (PAL), 1920x1080 pixels (Full HD) Stored picture: 640x480 pixels (NTSC), 768x576 pixels (PAL), 1920x1080 pixels (Full HD)
Audio standard	MPEG2: MP3 DV-AVI: PCM
Audio resolution	16bit, 44.1/48 kHz stereo
File format	Video: MPEG2, DV-AVI Picture: BMP/JPEG Report: HTML/JPEG
Storage space	Video: max. 2 MB/s (PAL/NTSC), max. 6 MB/s (FullHD) Picture: max. 8 MB
Labelling	EMC classification: 1B CE according to MPG

Surface	Aluminium-silicate glass, scratch and impact resistant
Mainboard	Processor Intel® Core i5 (6th gen.), 8 GB RAM, mSATA 240 GB SSD
Connections	2x RJ-45 10/100/1000 MBit 1x RS232, 4x USB 3.0 1x DP, 1x HDMI
TFT Module	Size/resolution: 21", 1920 x 1080 pixels, 16:9 Brightness: 250 cd/m ² Contrast: 1000:1 Viewing angle: 178°
Dimensions	520 x 340 x 58mm (WxHxD)
Weight	ca. 7kg



TROLLEY / TOWER

CONSENS Cart - EQUIPMENT TROLLEYS

Features:

- Front handle
- Camera holder (ocular)
- 4 antistatic wheels with brake
- Drawer
- 8-outlet power strip
- Adjustable heights



300-002-910
CONSENS Cart Basic



300-002-920
CONSENS Cart Essential
shelf with monitor holder

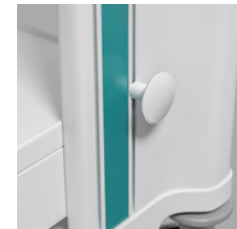
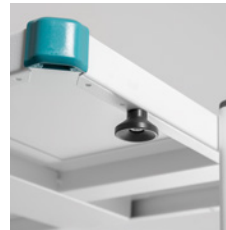
TROLLEY / TOWER

ACCESSORIES

- Additional shelf
- Keyboard holder
- Gas cylinder holder
- Cup camera holder
- Rear handles
- Cable winder
- Light cable holder
- Rear panel
- Flexible endoscope holder
- IV pole



300-002-930
CONSENS Cart Advanced
shelf with monitor holder,
pivoted second monitor holder,
wheel wall deflectors





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Trade Product Symbol
Products marked with this symbol are not available with RZ-marking, and not the CE sign/CE number of RZ.



CE-Symbol
All Products with no Trade Product marking, are sold with the CE of RZ. Products which are classified higher than class I, are marked with CE 0297.

