



Arthroscopy/Endoscopy Tower

designed for minimal invasive procedure



LYNX-HD/4K Tower



Your partner for sophisticated precision

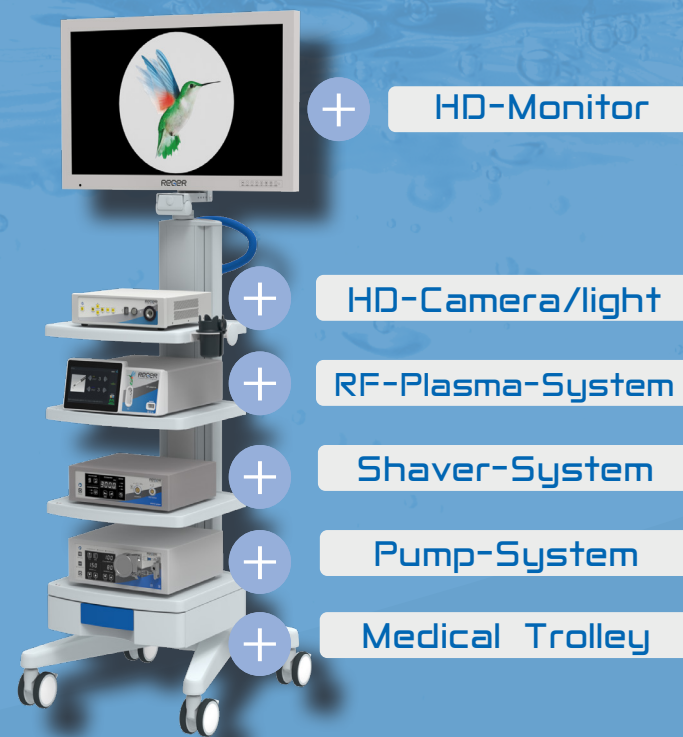
Manufacturer since 50 years

The hummingbird is our example from nature. With its highfrequency flap of wings it is capable to act extremely flexible. Just like us.

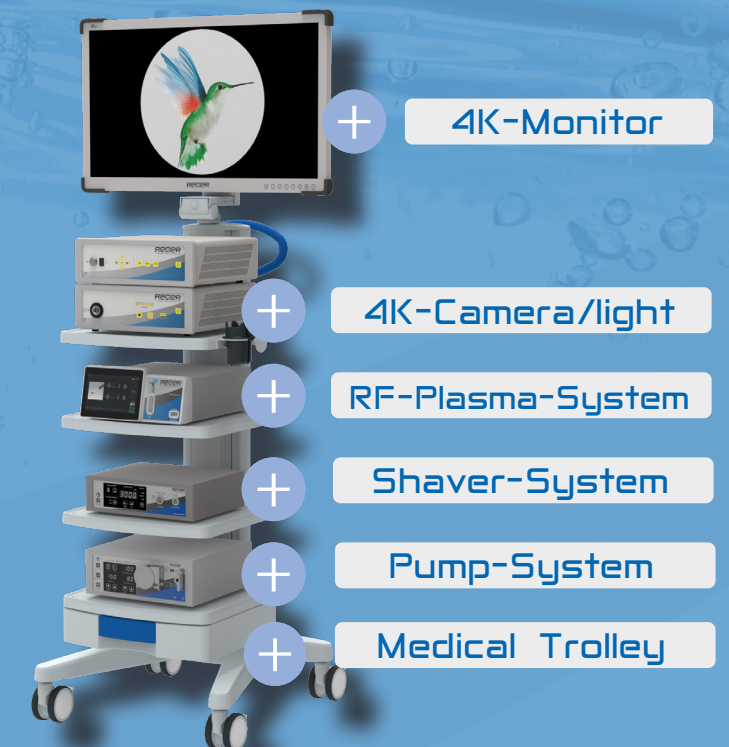
REGER has been a manufacturer of medical technology for 50 years now. Starting with monopolar electrodes and today worldwide in the field of HF accessories, arthroscopy, spine endoscopy and nebulizer technologies.

Arthroscopy/Endoscopy Tower

LYNX-HD



LYNX-4K



Do you need advice?

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Mails us!

Medical Trolley

Trolley				
Item code	897-40	897-41	897-42	897-43
Description	EU-Connector 220V	EU-Connector 220V incl. Transformer	US-Connector 110V	US-Connector 110V incl. Transformer
System	LYNX-HD and LYNX-4K			

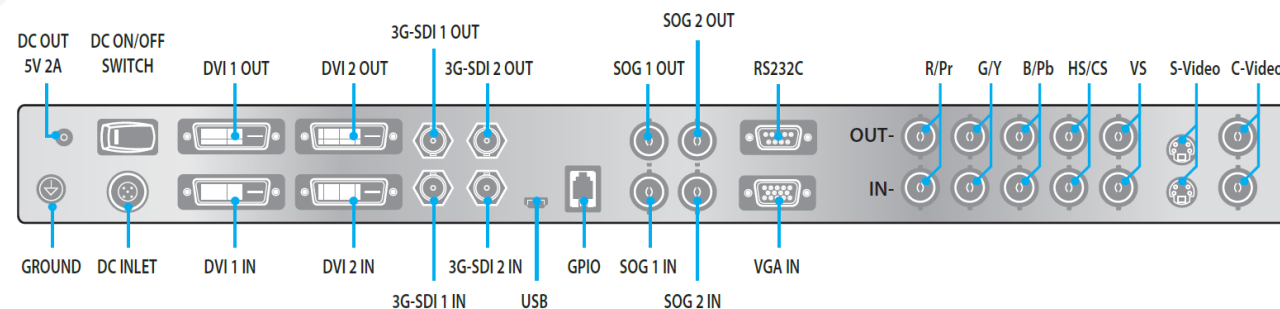
Products of Class I: CE

Medical HD-Monitor



HD-Monitor	
Item code	897-30
Description	32" LED FHD Medical Monitor
System	LYNX-HD Tower

Products of Class I: CE



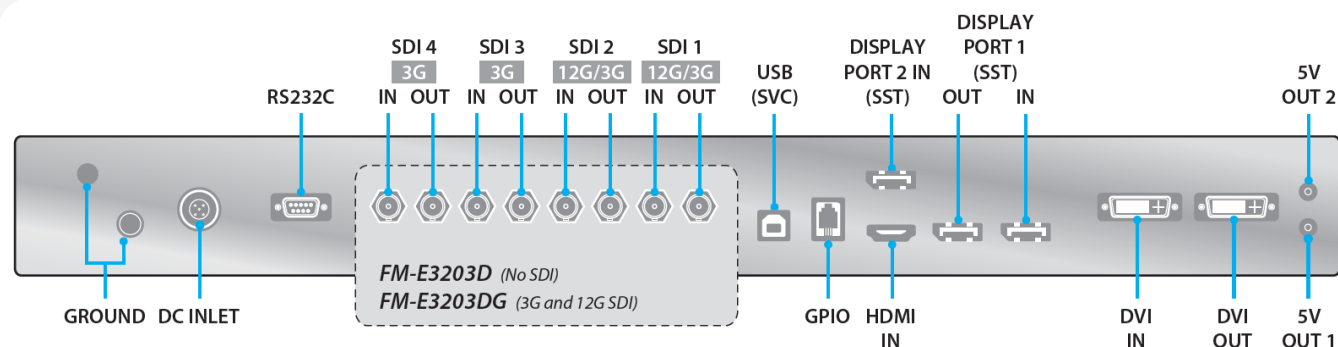
Technical Data																	
Panel	32 inch TFT LCD (LED)																
Resolution	1920 x 1080 pixel																
Aspect Ratio	16 : 9																
Active Area	698.4(H)mm x 392.9(v)mm																
Pixel Pitch	0.36375 x 0.36375																
Response Time (typical)	25 ms (gray to gray)																
Number of Colors	16.7 Millions																
Brightness (typical)	450 cd/m ²																
Contrast Ratio (typical)	1300 : 1																
Surface Treatment	Anti-glare																
Viewing Angle (CR>10)	R/L 178°, U/D 178°																
Input/Output Signal	<table border="0"> <tr> <td>Input Signal:</td> <td>Output Signal:</td> </tr> <tr> <td>- 2 x DVI-D</td> <td>- 2 x DVI-D</td> </tr> <tr> <td>- 2 x SD/HD/3G-SDI (BNC)</td> <td>- 2 x SD/HD/3G-SDI (BNC)</td> </tr> <tr> <td>- 2 x SOG</td> <td>- 2 SOG</td> </tr> <tr> <td>- 1 x VGA (D-sub)</td> <td>- 1 x C-Video (BNC)</td> </tr> <tr> <td>- 1 x C-Video (BNC)</td> <td>- 1 x S-Video (DIN)</td> </tr> <tr> <td>- 1 x S-Video (DIN)</td> <td>- 1 x Component (R/GBS, Y/PbPr)</td> </tr> <tr> <td>- 1 x Component (R/GBS, Y/PbPr)</td> <td>- 5 x BNC)</td> </tr> </table>	Input Signal:	Output Signal:	- 2 x DVI-D	- 2 x DVI-D	- 2 x SD/HD/3G-SDI (BNC)	- 2 x SD/HD/3G-SDI (BNC)	- 2 x SOG	- 2 SOG	- 1 x VGA (D-sub)	- 1 x C-Video (BNC)	- 1 x C-Video (BNC)	- 1 x S-Video (DIN)	- 1 x S-Video (DIN)	- 1 x Component (R/GBS, Y/PbPr)	- 1 x Component (R/GBS, Y/PbPr)	- 5 x BNC)
Input Signal:	Output Signal:																
- 2 x DVI-D	- 2 x DVI-D																
- 2 x SD/HD/3G-SDI (BNC)	- 2 x SD/HD/3G-SDI (BNC)																
- 2 x SOG	- 2 SOG																
- 1 x VGA (D-sub)	- 1 x C-Video (BNC)																
- 1 x C-Video (BNC)	- 1 x S-Video (DIN)																
- 1 x S-Video (DIN)	- 1 x Component (R/GBS, Y/PbPr)																
- 1 x Component (R/GBS, Y/PbPr)	- 5 x BNC)																
Power Supply	AC/DC Adaptor (AC 100-240V~,DC 24V 6.25A)																
Power Consumption	75W max.																
Accessories Included	User Manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, Remote Control, Screw BH M4 x 14																
Unit Dimension	770(W) x 471.5(H) x 80.5(D) mm 30.31(W) x 18.56(H) x 3.17(D) inch																
Package Dimension	911.35(W) x 742.95(H) x 234.95(D) mm 35.88(W) x 29.25(H) x 9.25(D) inch																
IP Code	IP 30 - overall, IP31 - front side only																
IK code	IK05 with 5H AR glass																
Weight	13.18 kg, 29.06 lbs. (monitor with cover) 19.14 kg, 42.2 lbs. (Shipping package)																

Medical 4K-Monitor



4K-Monitor	
Item code	897-31
Description	32" UHD, 4K Medical Monitor
System	LYNX-4K Tower

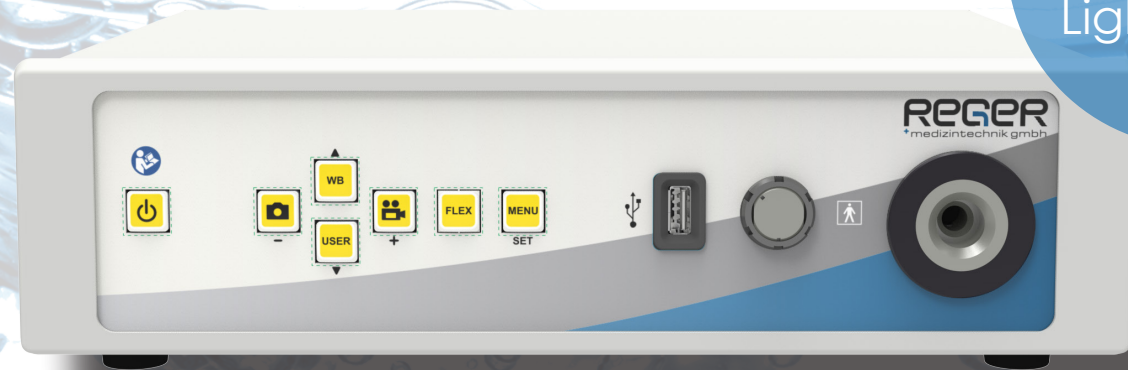
Products of Class I: CE



Technical Data											
Panel	32 inch TFT LCD (LED)										
Resolution	3840 x 2160 pixel										
Aspect Ratio	16 : 9										
Active Area	708.48(H)mm x 398.82(v)mm										
Pixel Pitch	0.1845 x 0.1845										
Response Time (typical)	8 ms (rise time)										
Number of Colors	1.07 Billion										
Brightness (typical)	700 cd/m ²										
Calculated Gamut	BT.709 and BT.2020 compatible										
Contrast Ratio (typical)	1350 : 1										
Surface Treatment	Anti-glare										
Viewing Angle (CR>10)	R/L 178°, U/D 178°										
Input/Output Signal	<table border="0"> <tr> <td>Input Signal:</td> <td>Output Signal:</td> </tr> <tr> <td>- 1 x HDMI 2.0</td> <td>- 1 x DP 1.2 (SST)</td> </tr> <tr> <td>- 2 x DP 1.2 (SST)</td> <td>- 1 x DVI (single link)</td> </tr> <tr> <td>- DVI (single link)</td> <td>- 4 x SDI 83G, 2 x SDI (12G) (depends on Version)</td> </tr> <tr> <td>- 4 x SDI (3G), 2 x SDI (depends on Version)</td> <td></td> </tr> </table>	Input Signal:	Output Signal:	- 1 x HDMI 2.0	- 1 x DP 1.2 (SST)	- 2 x DP 1.2 (SST)	- 1 x DVI (single link)	- DVI (single link)	- 4 x SDI 83G, 2 x SDI (12G) (depends on Version)	- 4 x SDI (3G), 2 x SDI (depends on Version)	
Input Signal:	Output Signal:										
- 1 x HDMI 2.0	- 1 x DP 1.2 (SST)										
- 2 x DP 1.2 (SST)	- 1 x DVI (single link)										
- DVI (single link)	- 4 x SDI 83G, 2 x SDI (12G) (depends on Version)										
- 4 x SDI (3G), 2 x SDI (depends on Version)											
Power Supply	AC/DC Adaptor (AC 100-240V~,DC 24V 6.25A)										
Power Consumption	897-31 (FM-E3203D) 105W max.										
Accessories Included	User Manual, AC-DC adaptor, AC power cord, DP cable, HDMI cable, DVI-D cable, BNC cable (SDI models), Screw BH M4 x 14										
Latency	9 ms										
Unit Dimension	773(W) x 478(H) x 75.2(D) mm 30.43(W) x 18.82(H) x 2.96(D) inch										
Package Dimension	914.4(W) x 749.3(H) x 234.95(D) mm 36(W) x 295(H) x 9.25(D) inch										
IP Code	IP 33 - overall, IP44 - front side only										
IK code	IK07 with 5H AR glass										
Weight	11.56 kg, 25.49 lbs. (monitor with cover) 16.83 kg 37.10lbs. (Shipping package)										

HD-Camera System

Camera
incl.
Light Source



HD-Camera	
Item code	897-20
Description	HD-Camera incl. Light Source and Camera
System	LYNX-HD Tower

Products of Class I: CE



Camera Head	
Item code	897-22
Description	Spare part for 897-20
System	LYNX-HD Tower

Products of Class I: CE

Technical Data	
Camera Head	Aspect ratio: 16:9, Image Sensor: 1/2" CMOS
Voltage range (current consumption)	100 - 240 V (95VA)
Frequency	50-60 Hz (interlaced scan)
Device protection	2 x T3,15 A
Video System	- Image resolution: full HD 1920 x 1080 - TV resolution: > 900 lines - White balance automatically, with data hold - Sensitivity: < 3 Lux (1/1.4)
Recording	- Image format: JPG 1920 x 1080 - Video format: Full HD 1920 x 1080 - Connection: USB (A)
Lamp	LED lamp, comparable 50 W
Light guide connection	Storz
Connections	Video out terminal: - 1 x HDMI - 1 x DVI - 1 x SDI - 1 x VIDEO Other connections: - 1 x USB (A) (Service) - 1 x Remote IN (footswitch) - 1 x RJ45 (Service)
Protection class (acc.to IEC 60601-1)	I
Safety class	BF
IP code	IP 20
Standard	IEC 60601-1-2
Device classification (EU) 2017/745	I
Features	- Multifunctional system - Image and video reecording - Freeze function - 8 endoscope presets - Multilingual menu - Camera and ligth source - White balance - Digital zoom - On-screen-menu - Flex button (fiberscope preset)
Dimension	Control unit: 295 x 128 x 278mm (WxHxD); Weight: approx. 3kg
Delivery contains	CCU, camera head weith 3,04m (10ft) cable, mains cable, HDMI - DVI cable, HDMI cable, user manual
Optional accessories	Footswitch

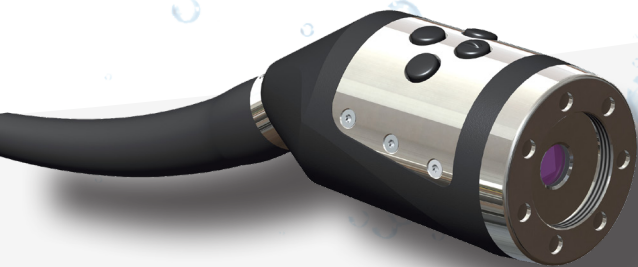
4K-Camera System



4K Camera USB

Item code	897-23
Description	3-Chip 4K camera, incl. recording system and Camera Head
System	LYNX-4K Tower

Products of Class I: CE



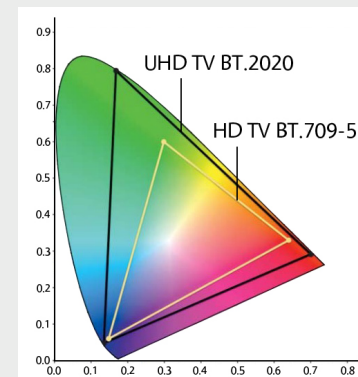
4K Camera Head

Item code	897-26
Description	Spare part for 897-23
System	LYNX-4K Tower

Products of Class I: CE

Technical Data

Camera Head	Aspect ratio: 16:9, Image Sensor: 3 x 1/3" CMOS, Immersible	
Voltage range (current consumption)	100 - 240 V (60VA)	
Frequency	50-60 Hz (interlaced scan)	
Device protection	2 x T3,15 A	
Video System	<ul style="list-style-type: none"> - Image resolution: UHD 3840 x 2160 - TV resolution: 1600 lines - White balance automatically, with data hold 	
Video output	<ul style="list-style-type: none"> - 1 x HDMI 4K (3840 x 2160) - 1 x HDMI Full HD (1920 x 1080) - 1 x SDI 4K (4x BNC) (3840 x 2160) - 1 x SDI Full HD (1 x BNC) (1920 x 1080) 	
Video format	HDMI output: 3840x2160/59.94p, 3840x2160/50p, 1920x1080/59.94p, 1920x1080/59.94i, 1920x1080/50p, 1920x1080/50i	SDI output: 3840x2160/59.94p, 3840x2160/50p, 1920x1080/59.94p, 1920x1080/59.94i, 1920x1080/50p, 1920x1080/50i
Protection class (acc.to IEC 60601-1)	I	
Safety class	BF	
IP code	IP 20	
Standard	IEC 60601-1-2 / IEC 60601-1-1	
Device classification (EU) 2017/745	I	
Features	<ul style="list-style-type: none"> - 4K UHD resolution - Zoom, freeze, smoke correction - Image enhancement of colour and structur 	<ul style="list-style-type: none"> - 10 User Preset for surgical application - Multilingual menu
Options	Image capture, video capture	
Dimension	Control unit: 360 x 125 x 351mm (WxHxD); Weight: approx. 6,2kg	
Delivery contains	CCU, camera head weith 3,05m (10ft) cable, mains cable, HDMI cable, user manual	
Colour Space	The camera is able to reproduce the extended color space BT.2020 in addition to the BT.709 color space for HDTV. (Prerequisite is a BT.2020 compatible monitor)	



4K-Light Source



LED Light Source	
Item code	897-24
Description	3-Chip 4K camera, incl. recording system and Camera Head
System	LYNX-4K Tower






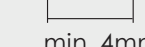





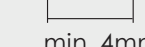





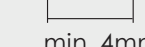
Products of Class I: CE



Fiber Optic Light Cable	
Item code	897-50
Size/Length	3,2/3,5 X 2300 MM
System	LYNX-4K/HD Tower

Products of Class I: CE

Adapter		
Item code	897-51	897-52
Size/Length	Projector-side	W+I/WISAP Instruments-side
System	Storz	Storz/Aesculap/Olympus
Pictures		

Technical Data										
LED module	LED CRI 90, Daylight quality, approx. 560 K, Lifetime > 20.000 hr									
Voltage range (current consumption)	100 - 240 V (130VA)									
Frequency	50-60 Hz (interlaced scan)									
Device protection	2 x T3,15 A									
Video In	1x Video, BNC									
Other connections	Service (RJ45)									
Protection class (acc.to IEC 60601-1)	I									
Safety class	BF									
IP code	IP 20									
Standard	IEC 60601-1-2									
Device classification (EU) 2017/745	I									
Dimension	Control unit: 360 x 125 x 351mm (WxHxD); Weight: approx. 5 kg									
Delivery contains	Light source, mains cable, user manual, BNC cable (optional)									
Light guide connections	Multi connector: <table border="0" style="margin-left: 20px;"> <tr> <td>Wolf</td> <td></td> <td rowspan="4"></td> </tr> <tr> <td>ACMI</td> <td></td> </tr> <tr> <td>Olympus</td> <td></td> </tr> <tr> <td>Storz</td> <td>  Ø max.  min. 4mm </td> </tr> </table> <p style="text-align: center;">Exclusively pictured version!</p>	Wolf			ACMI		Olympus		Storz	 Ø max.  min. 4mm
Wolf										
ACMI										
Olympus										
Storz	 Ø max.  min. 4mm									

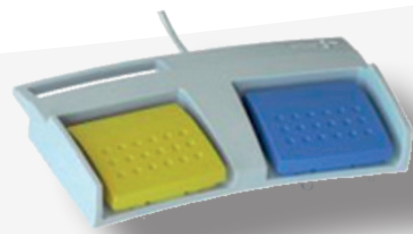
RF-Plasma System



RF-Generator

Item code	897-10
Description	Bipolar and monop. RF-Generator with scope protection
System	LYNX-4K/HD Tower

Products of Class I: CE



RF-Footswitch

Item code	897-7
Description	for 897-10
System	LYNX-4K/HD Tower

Products of Class I: CE

Technical Data

Power Output	Bipo. cut: 250 W Bipo. coag: 200 W Monop. cut: 200 W Monop. coag. 180 W
Connector types	Connector DB-9 (interface RS232), USB-A, socket footswitch (6-Pin connector), socket SDS, socket neutral electrode, socket power supply C14, fuse socket
Voltage range (Power consumption)	220-240 V (Item 897-10V for 110V)
Rated power input	1350 VA
Frequency	50/60 Hz
Device protection	2 x T 8A/250V
Working frequency	333 kHz
Protection against exceeding the heating factor	The instrument automatically controls the current so that the heating factor does not exceed 30 A ² s.
NEM System (neutral electrode monitoring system)	Neutral electrode monitoring
Protection class	I
Safety class	CF
Risk Class	IIb
IP code	IP 2X in accordance with EN 60529
Low/High frequency leakage currents	IEC 60601-2-2 / IEC 60601-1-1
Power Selection	Levels 1-9
Features	<ul style="list-style-type: none"> - Scope protection - Monop. and Bipo. - Fast cutting - Touch Display <ul style="list-style-type: none"> - bipolar forceps comp. - Multilingual menu - Footswitch or Handswitch use
Packaging Dimensions	475 mm x 475 mm x 375 mm
Dimension	385m x 141 mm x 305 mm (LxHxW); Weight: approx. 7 kg
Delivery contains	mains cable and user manual

Shaver System



Shaver Console	
Item code	800-000-023
Description	for using with Reger Shaver Blades and Burs
System	LYNX-4K/HD Tower

Products of Class IIa: CE 0197

Shaver Handpiece	
Item code	800-000-024
Description	unique connector for Reger Blades and Burs
System	LYNX-4K/HD Tower

Products of Class IIa: CE 0197



RF-Footswitch	
Item code	800-000-025
Description	for 800-000-023
System	LYNX-4K/HD Tower

Products of Class IIa: CE 0197

Technical Data: Shaver Console	
Power consumption	20 VA (at power supply 100 VAC) 35 VA (at power supply 240 VAC)
Connector types	socket footswitch socket handpiece socket power supply, fuse socket
Voltage range	100 - 240V AC
Frequency	50/60 Hz
Device protection	Fuses 2 x T 1.25A L 250V
Working RPM	Rotating: max. 10.000 rpm
Features	- Variety of oscillation mode - Separate RPM settings for cutter (oscillation) and burs (FWD, REV)
Dimension	250m x 330 mm x 96 mm (DxWxH); Weight: approx. 4,8 kg
Delivery contains	mains cable and user manual

Technical Data: Shaver Handpiece	
Cable to console	3,2 m
Sterilization method	Steam sterilization
IP Code	IP X7
Speed	500 - 10.000 rpm
Features	- Lightweight and ergonomic handpiece - Multifunctionality of buttons - connection for double roller pump - smooth and stable work - Easy, efficient and reliable cleaning and disinfection
Dimension	Length 164 mm, Weight: 325 g (without cable)

Technical Data: Shaver Footswitch	
Cable to console	3,2 m
IP Code	IP X8
Features	Multifunctionality of buttons to controll: - Speed - Change settings (oscillation,FWD,REC) - Window calibration
Dimension	28 mm x 280 mm x 215 mm, Weight: 2,45 kg

Pump System



Technical Data: Shaver Console

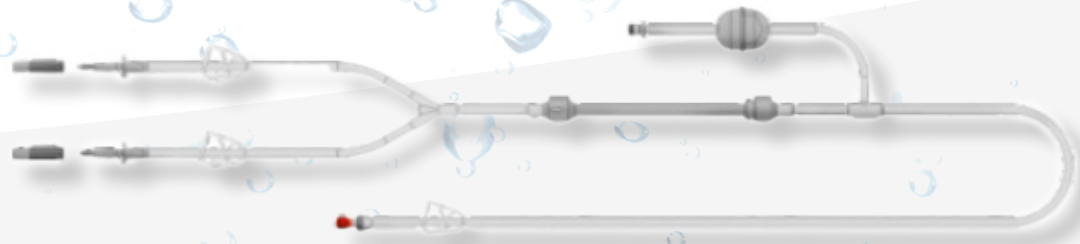
Power consumption	20 VA (at power supply 100 VAC) 35 VA (at power supply 240 VAC)
Voltage range	100 - 240V AC
Frequency	50/60 Hz
Features	<ul style="list-style-type: none"> - Minimally invasive method of delivering fluid to an operation field - Precise calibration of the measuring system through LEVEL function - FLUSH function for an efficient rinsing of an operating area - non-volatile memory of recent setting - Three working modes of the Universal Fluid Pump - Used with disposable and da-use tubings - Acoustic and visual signals ensuring correct tubing installation - Remote controller (optional) - Big and clear display, intuitive menu - Esthetic and moder design
Dimension	306 mm x 330 mm x 120 mm (DxWxH); Weight: approx. 7,6kg
IP Code	IP X1

Fluid Pump

Item code	800-000-029
Description	for using with Reger Shaver Handpiece and Scopes
System	LYNX-4K/HD Tower

	5201-20	5201-30	5201-40
Speciality	Arthroscopy	Urology	Hysteroscopy
Pressure	10-150 mmHg	10-150 mmHg	10-150 mmHg
Flow	0,1-2,0 l/min	0,1-1,0 l/min	0,1-0,5 l/min

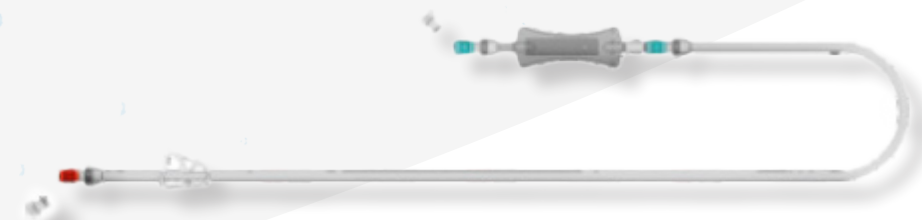
Products of Class IIa: CE 0197



Tubing-Set

Item code	800-001-029
Description	Single Use (SUTS)
System	LYNX-4K/HD Tower

Products of Class IIa: CE 0197



Economic-Tubing-Set

Item code	800-002-029	800-003-029
Description	Daily Use (DUPP)	Patient Part (SUPP)
System	LYNX-4K/HD Tower	LYNX-4K/HD Tower

Products of Class IIa: CE 0197



LYNX-HD/4K Tower

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REGER
+ medizintechnik

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