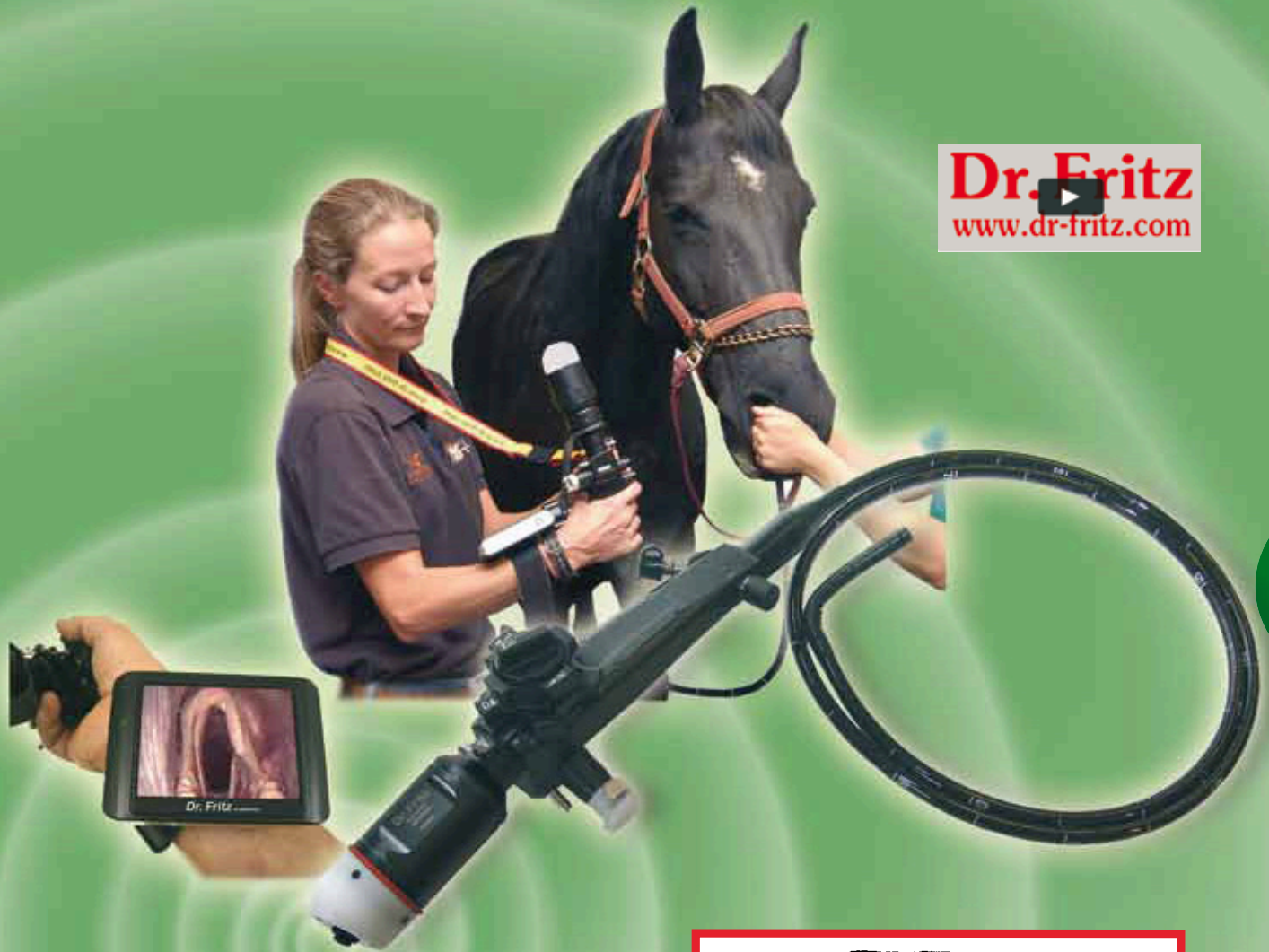
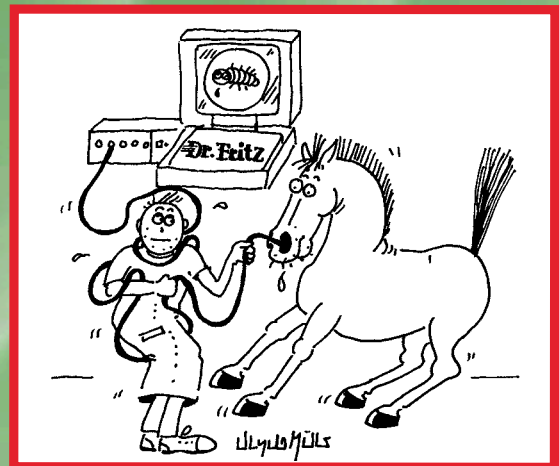


## Equine, Bovine, Camels, Large Animals

LED video bronchoscope for examination of the respiratory system and the GI tract



**Dr. Fritz**  
www.dr-fritz.com



**wireless**

**Bronchoscopy and Laryngoscopy  
for large animals**

# LED Video Bronchoscopy/Laryngoscopy

wireless video transmission (<20 m)



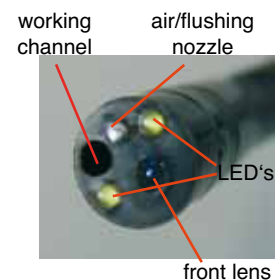
- gastroscope with integrated video camera with LED-Light
- integrated sender for wireless video transmission
- perfect video presentation with the owners
- resolution 750x580 pixel
- easy handling, quick cleaning and disinfection
- four way deflecting

## LED Video Bronchoscope SET

**TXE174-10B** LED video bronchoscope, 165cm, wireless set, 10mm, in-built video camera with LED's, working channel: 2,8mm fully immersible, 4-way deflecting, \*\*\*in-built 5,8 GHz sender & Li accu Set with accessories:

- charger 115-240VAC, 50/60Hz
- density tester
- cleaning brush
- cleaning adaptors
- transportation case
- flexible guttural pouch probe
- 5" monitor/recorder/receiver (TXL2-580M)

**TXE135-9B** LED-Video-Bronchoscope, wireless set, as above but 135cm, 8,9mm,



## Overview:

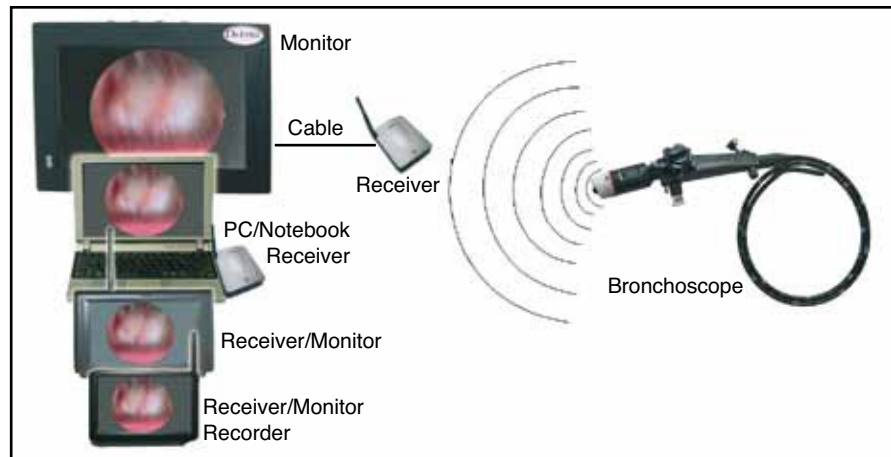
### Sizes:

Item No.	Lenght:	Ø	Working channel:	Resolution
TXE106-8B	105 cm	8,0mm	1,8 mm	Video
TXE135-9B	135 cm	8,9 mm	2,8 mm	Video
TXE174-10B	165 cm	10,0 mm	2,8 mm	Video
TXHD136-9B	135 cm	8,9 mm	2,8 mm	HD
TXHD175-10B	165 cm	10,0 mm	2,8 mm	HD
TXHD326-12G	320 cm	12,0 mm	3,2 mm	HD

# LED Video Bronchoscopy/Laryngoscopy

wireless video transmission (<20 m)

## Video Connections



## Receiver, Recorder, Monitor:



TXL1-581  
TV Receiver



TXL1-7-NO  
Receiver Notebook/PC



TXL2-580M  
Receiver/Monitor



TXM7-59A  
Receiver/Monitor



PC-97-SD  
Video Recorder



PC-95-3  
Recorder Notebook

- TXL1-581** TV receiver, 5,8GHz, only, standard, for TXL/TXE series, video outlet: VHS/FBas, 60g, power supply: 115-240VAC/50/60Hz
- TXL1-7-NO** Receiver, 5,8GHz for notebooks and PCs, with power supply, \*\*\*installation by the customer
- TXHD-611** HDMI receiver for TV/monitors complete with power supply, (without pictures)
- TXL2-580M** Monitor 5" receiver&recorder, 5,8GHz for TXL/TXE series, video capture to micro SD card, LI battery, incl. arm strap, charger, outlets: video out/FBas 130x90x16mm, 200g
- TXM7-59A** Monitor 7" with accu, 5,8GHz receiver for TXL/TXE series, charger, size: 195x135x60mm, 400g, video out/FBas HDMI in, capacity: 3,5hours
- PC-97-SD** Video recorder with SD card prof. incl. power supply, remote control
- PC-95-3** Recorder-Notebook, incl. receiver and software, completely installed with database and video cut, „ready to go“, compatibly to network systems, Win 7, with powersupply and EU-Keyboard \*\*\*\*incl. 5,8GHz receiver system



# LED Video Bronchoscopy/Laryngoscopy

## Accessories



**EF-18 Density tester** comp. to flexible video gastro- /colonoscopes,



**RH99-56 Cap** for instrument channel, bag with 5 pcs



**F28-1709 Cleaning brush**, flexible, 160cm for working channels 2,2-3mm



**TW4-250 Air/water bottle**, 250ml for LED video-broncho/ gastroscopes, autoclavable



**TW4-133 Air/water twin tube**, 2,6m, complete with couplers for TW/TX series

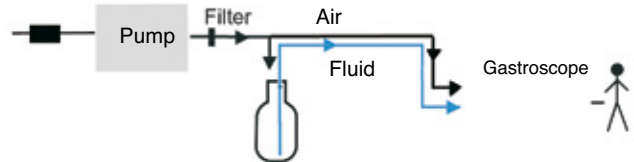


**ZU-1508 Fixation Clip** for flexible instruments, bag with 5 pcs

## Recommended additional equipment

### Small air pump

for lens cleaning and inflation

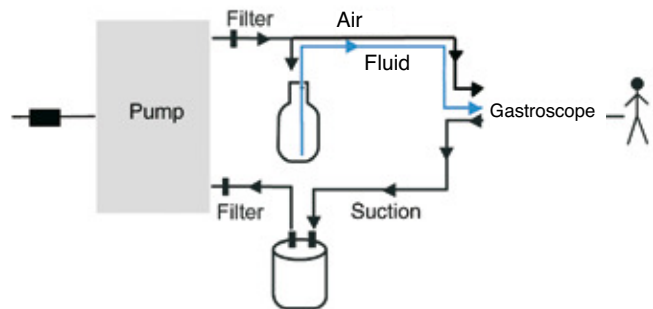


**TW4-249 Air pump and holder**, for air/water supply in LED gastroscopes, consisting of: pump TW4-240 and holder TW4-250H

### Suction-/irrigation pump – the perfect combination for the small and large animal practice –

for lens cleaning, inflation and suction

- low noise and soft pressure system
- easy handling
- separate combined use of suction and air pressure



**H140-3S Suction & irrigation pump**, soft system, complete with 2 bottles (suction/ water) 1 litre each, tubing set autoclavable, vacuum: 3 L / min, max: 0,4 bar pressure: 4 L /min, max.0,5 bar (400mmHg) incl. transformer 115- 230VAC; 50/60Hz

**AR-10-922 Sterile filter** for CO<sup>2</sup> infusor and air with ID: 4-6mm, disposable, 50pcs/boxes



- specially designed for suction, irrigation instruments and gastroenterology -

# LED Video Bronchoscopy/Laryngoscopy

## Accessories



### Catheter, injection needle



**F20-220**

**Catheter for gastro fiberscopes**, Teflon, OD:2mm, WL:235cm, LL(f) connector, dismantable, autoclavable

**F20-219**

**Spare catheter** for gastroscopes, Teflon, OD:2mm, 10 m, autoclavable

**LLW-1220**

**Luer-Lock connector**, female, 2mm,



**F22-16045**

**Flexibel guttural pouch probe**, OD: 2,2 mm, WL: 165 cm

**F22-22046**

**Flexibel guttural pouch probe**, OD: 2,2 mm, WL: 230 cm



**F231-220**

**Flex. injection needle**, OD:2,2 mm, 240 cm, Teflon tube, needle size: 0,9x6mm, LL(f)

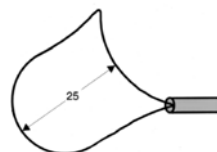


### Accessories for RF/high frequency surgery



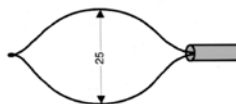
**HF22-2301**

**Suction-coagulation electrode**, flexible monopolar, Luer-Lock connector, 2,2 mm, 235 cm



**SL23-2310**

**Polypectomy snare**, complete with tube, OD:2,2 mm, WL:230 cm, asymmetric snare, 2,5 cm wide, without handle,



**SL23-2312**

**Polypectomy snare**, complete with tube, OD:2,2 mm, WL:230 cm, asymmetric snare, 35 mm wide, without handle,



**HS11-1200**

**Handle for polypectomy/high frequency snares**, standard connections, autoclavable



**HF-301-ER**

**High frequency connecting cord**, 3 m, monopolar, comp.to Erbe units (4mm type)

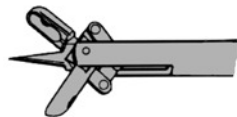
see section HF-deveices from side 165

# LED Video Bronchoscopy/Laryngoscopy

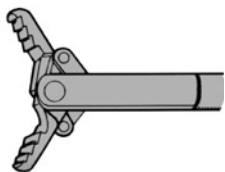
## Accessories



### Biopsy/grasping forceps



article no.		Ø (mm)	length (cm)
B22-16011	Biopsy forceps	2,2	170
B22-22011	with spike	2,2	230
B23-3601		2,3	360



F22-16041	Grasping	2,2	165
F22-22041	forceps	2,2	230
F23-3604		2,3	360



F22-16040	Grasping	2,2	165
F22-22040	forceps	2,2	230



F23-16042	Grasping	2,3	165
F23-22042	forceps	2,3	220



FK23-1635	Basket, 6 wires	2,2/4,5x6cm	165
FK23-1637	Basket, 6 wires	2,2/5x10cm	165
FK23-2035	Basket, 6 wires	2,3/4,5x6cm	230



B23-180E	Biopsy forceps, flexible,	2,3	180
B23-230E	Biopsy forceps, flexible	2,3	230


spoon oval sterile, disposable, 10pcs/pack



F28-1709	Cleaning brush, flexible	2,6-3,5	160
F28-2208		2,6-3,5	230
F28-3008		2,6-3,5	330
F28-3708		2,6-3,5	370



F28-280E	Cleaning brush, flex., 230cm, disposable f. channels 1,8-2,8mm, 10pcs/pack ***no returnshipment possible		
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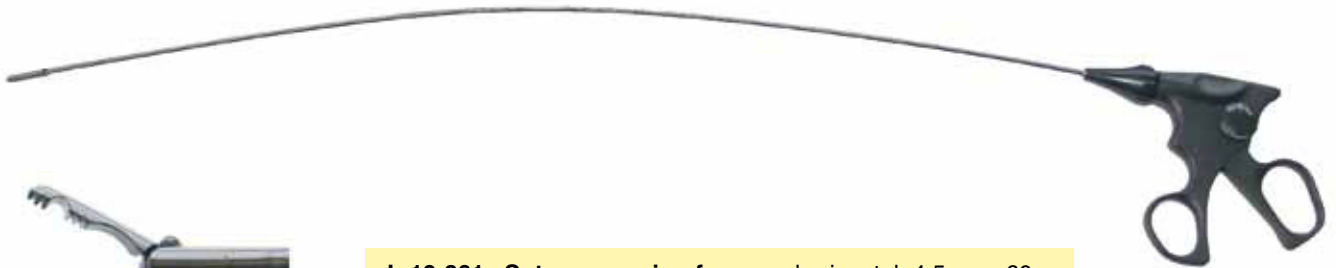
 Please do only use high quality flexible instruments.  
Cheap quality instruments are the risk of damaging your scopes.

# LED Video Bronchoscopy/Laryngoscopy

## Accessories

### Laryngoscopy grasping forceps

Surgical and laser applications



– horizontal opening –

**L-19-861 Suture grasping forceps**, horizontal, 4,5 mm, 60 cm

– malleable –



– vertical opening –

**L-19-872 Suture grasping forceps**, vertical, 4,5 mm, 60 cm

– malleable –

### Transportation & storage basin for flexible endoscopes



stackable



**DE-17-44S Transportation & storage basin** for flex. endoscopes, 50x44x16 cm, set with cover consisting of:  
basin (DE-17-44)  
cover transparent (DE-17-41)

# Cleaning

for field pacticis – Zwischenreinigung



**Zwischenreinigung nach jeder Untersuchung.  
Die Hauptreinigung abends ist unerlässlich.**

**1. Preparation:**

- 1 Soaked cleaning wipes (Zugabe von Dr. Fritz cleaning solution)
- 2 Cleaning solution
- 3 Alcohol wipes
- 4 Alcohol solution
- 5 syringe
- 6 gloves

Wir empfehlen bereits bei der Untersuchung des Tieres Handschuhe zu tragen, um die Kontamination des Endoskops zu verringern



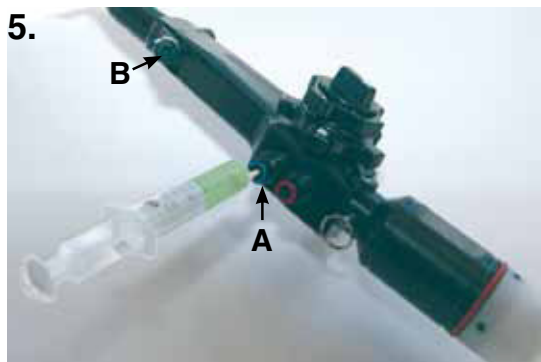
2. Äußeres Abwischen mit dem getränkten Reinigungstuch



3. Achten Sie auf die sorgsame Reinigung der Linse



4. Befüllen Sie die Spritze mit Dr. Fritz Reinigungslösung.



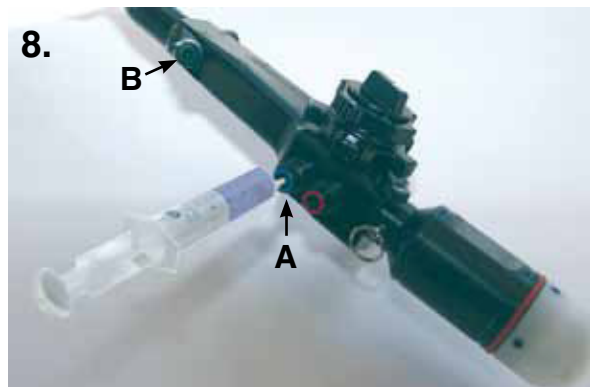
5. Spülen der Kanäle durch das Luft-/Wasserventil (A) und den Arbeitskanal (B).



6. Äußeres Abwischen mit Alkoholtüchern wie unter Punkt 2.



7. Befüllen der Spritze mit Dr. Fritz Alkohollösung.



8. Spülen der Kanäle mit Alkohollösung, anschließend die Spritze mit Luft füllen und die Kanäle durchlüften.



9. Lagerung und Transport des Endoskops im Koffer auf einer Schutzeinlage. Verwenden Sie einen Tupfer für die Endoskopspitze zur Aufnahme der Restfeuchtigkeit.

Bei der Hauptreinigung abends befolgen Sie bitte die Anweisungen des Herstellers!