

## GERMAN FLEXIBLE NOSEPHARYNGOSCOPE

### • 71602 LUT FLEXIBLE NOSEPHARYNGOSCOPE with cable

It includes fibre optic cable and rigid case for transport, conventional image guide system, 2 way deflection, one hand operation, completely soakable. Resolution: 7,000 pixels.

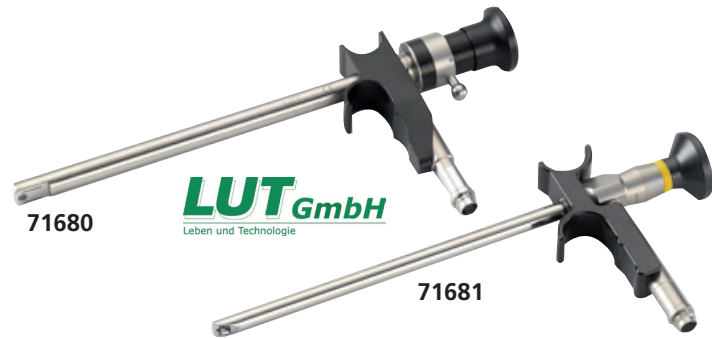
#### TECHNICAL SPECIFICATIONS 71602

Working length: 300 mm Working Ø: 3.2 mm  
 Tip deflection: up 140°, down 140°  
 Length of tip deflection: 20 mm  
 Direction of view: 0° Field of view: 70°  
 Depth of focus: 6 mm - ∞ Weight: 260 g  
 Made in Germany

### • 71610 ENDOSCOPY MOUTHPIECE - bag of 20 pcs Disposable bite blocks



## PHARYNGO-LARYNGOSCOPES - MADE IN GERMANY



- 71680 TELE-PHARYNGO LARYNGOSCOPE Ø 10x153 mm - 70°
- 71681 PHARYNGO-LARYNGOSCOPE Ø 8x164 mm - 70°
- 71682 PHARYNGO-LARYNGOSCOPE Ø 6x164 mm - 70°

Sharp image, significant depth of field  
 - high performance illumination, German quality  
 - two different degrees of magnification:  
 panoramic view and examination of details (only 71680)  
 - integrated air channel for prevention of misted objective (only 71680)  
 - soakable and designed for gas sterilization  
 - working distance 15 mm to ∞

Pharyngo-laryngoscopes and endoscopes can use as illumination system flyer handles (direct connection) see below or light sources. For use with Gima light sources (30801-2) you need F.O. cable (30818-30826) adaptor cable to light source (30830) adaptor pharyngo-laryngo to cable (30840).

## RIGID ENDOSCOPES



GIMA code	LUT RIGID ENDOSCOPES MADE IN GERMANY To be used for ENT and ARTHROSCOPY applications
71621	Otoscope Ø 2.7 x 34 mm - 0° - soakable
71641	Endoscope Ø 2.7 x 110 mm - 0° - autoclavable
71643	Endoscope Ø 2.7 x 110 mm - 30° - autoclavable
71645	Endoscope Ø 2.7 x 110 mm - 70° - autoclavable
70012	Endoscope Ø 2.7 x 187 mm - 0° - autoclavable
70014	Endoscope Ø 2.7 x 187 mm - 30° - autoclavable
70016	Endoscope Ø 2.7 x 187 mm - 70° - autoclavable
71661	Endoscope Ø 4 x 175 mm - 0° - autoclavable
71665	Endoscope Ø 4 x 175 mm - 30° - autoclavable
71668	Endoscope Ø 4 x 175 mm - 45° - autoclavable
71667	Endoscope Ø 4 x 175 mm - 70° - autoclavable

## LIGHT SOURCES HANDLES

### • 71690 LUT LED LIGHT SOURCES

Ultra-bright LED light source. Highest light efficiency by optimized light coupling to endoscope. Adjustable intensity, roll-off protection, small, handy, for all LUT endoscopes. Supplied with battery and charger. Made in Germany, LUT.

TECHNICAL SPECIFICATIONS	
LED high power lamp 20,000 lux	Size 89x24
Color temperature: 5,500 Kelvin	Weight: 90g
Illumination period: approx. 45 min	
Intensity infinitely adjustable	
Light guide connection to Storz-adaptor thread	
Li-Ion, 950 mAh, rechargeable battery	
Charging time: approx. 2 hours	

• 30795 FLYER HALOGEN HANDLE 2.5 V - light source for endoscopes  
 • 31478 BULB for 30795  
 • 30794 FLYER LED HANDLE 2.5 V - light source  
 Powerful handheld light source for endoscopes 60,000 lux.  
 Both flyer handles need 2xAAA batteries.

## MEDICAL CERTIFIED CAMERA



72511  
 Digital camera with anti-Moiree filter

- 72509 COMPACT PAL CAMERA C1, + smartbox - SVHS
  - 72511 DIGITAL COMPACT PAL CAMERA C1, Anti-Moiree, + smartbox - CVBS/USB 2.0
- Camera electronics integrated in camera head, small smartbox as connection unit. Camera head with two buttons: white balance and window function. Made in Germany.
- 72708 SONY LMD - LCD MONITOR 15" - 1.280x768 dots



#### TECHNICAL SPECIFICATIONS

Outputs: 1x S-Video (Y/C), 1x Video (CVBS) 1x USB 2.0 (only for 72511)	Norms: 93/42 EWG Class 1, EN 60601-1; BF/CE mark
Image sensor: 1/3" CCD	Power: 100-250 VAC, 50/60 Hz, 2 VA
Image resolution: 470x420 (PAL)	Sizes: Smartbox: 80x34x170 mm Camera head: 135x Ø 50 mm Camera cable: 3m
Endocoupler: f=23	

## VIDEO BRONCHOSCOPE

### • 72515 VIDEO BRONCHOSCOPE

The LUT video bronchoscope includes all standard features such as 2-way tip deflection, working channel and suction valve. Incorporates two innovations:  
 - CHOS Chip-in-the-Tip Video Technology which delivers a full format Image  
 - a revolutionary integrated DeepVu LED Illumination System which produces a new dimension of illumination strength.

- 28243 SUPER VEGA BATTERY (see page 134)

#### STANDARD ACCESSORIES

Video Bronchoscope VB100  
 Controller EC100 (plug and play)  
 Biopsy forceps with thorn  
 Biopsy forceps without thorn  
 Bite block  
 Cleaning brushes  
 Leakage tester  
 Video connection cables  
 Carrying case

#### TECHNICAL SPECIFICATIONS

Image sensor: 1/18" CMOS  
 Image resolution: 82.000 pixel  
 Distal and outer Ø: 5.8 mm  
 Deflection: up 210°  
 down 130°  
 Working length: 600 mm  
 Working channel: 2,2 mm  
 Direction of view: 0°  
 Field of view: 120°

