

World's first  
2010!

eltrotec



Videoscope system "Rigid"

## Direct Video TOPLINE "RIGID" DVS

- Complete inspection kit
- 5 diameter: 1.85 - 7.2 mm Ø
- Length: 80 - 940 mm
- 3 Video options

### Principal features

- Diameter: 1.85 / 2.49 / 2.8 / 4.2 / 6.35 / 7.2 mm
- Lengths: 80-940 mm (depending on diameter and type)
- Direct coupling of video camera to all rigid TOPLINE endoscope models
- Focus 2mm - ∞
- **90° mirror tube, 370° rotating** (inclusive)
- Video memory processor with 3,5" TFT monitor, 8 GB SD-memory card, battery 2,5 h, picture and video stream possible, monitor output, USB and power connector
- **Power supply 220 VAC** (incl.)
- **LED battery illumination** (incl.)
- For more light in serial inspection: 12 MLux LEDCONTROL 160 lightsource with glas fibre connector 1200 Lumen/ 12 MLux (Option)
- **Video out cable** (incl.)
- **Aluminium inspection case** (inclusive)
- **Cleaning kit** (inclusive)

### Advantages:

- Fatigue-proof viewing of boreholes with monitor in serial inspection
- No wiring necessary
- Picture and video streaming
- Complete Kit
- No eye contact as at common priviously solutions with rigid endoscopes!



Precise interior view of parts in machines, without disassembling them before inspection

## TOPLINE DIRECT to VIDEO DVS

ELTROTEC introduces **World's first 2010**  
The first "Direct Video Rigid" DVS:

DVS enjoys all the advantages and comfort of video endoscopes. Best and clear pictures, directly integrated in the well known series of TOPLINE "RIGID" endoscopes. There is no strain (like it is with ocular optical endoscopes) in serial inspection of cavities. The innovation is the viewing of pictures at a portable handheld monitor, at the PC or at a portable video monitor. You can view the pictures on these monitors directly or save them as picture or video on the SD card. (8 GB SD memory card incl.)

All TOPLINE "RIGID" Endoscopes of the series PRO working with the patented "e2 endoGRIN'S<sup>®</sup>" lens, with colour-fast, clear and distortion free optic

## Ordering information

### (A) Direct Video TOPLINE "RIGID" endoscope kits / diameter and length selection

Type/ Diameter	Length mm	Dierection of view	Angle of view	KIT identifier	Part No..
MicroSlim (1.85 mm)	80	0°/ 90°	40°	DVSM-80	20751835
MicroSlim (1.85 mm)	120	0°/ 90°	40°	DVSM-120	20751836
MicroSlim (1.85 mm)	178	0°/ 90°	40°	DVSM-178	20751837
SuperSlim (2.49 mm)	102	0°/ 90°	40°	DVSSS-102	20751838
SuperSlim (2.49 mm)	185	0°/ 90°	40°	DVSSS-185	20751839
SuperSlim (2.8 mm)	265	0°/ 90°	40°	DVSSS-265	20751840
SuperSlim (2.8 mm)	350	0°/ 90°	40°	DVSSS-350	20751841
SuperSlim (2.8 mm)	435	0°/ 90°	40°	DVSSS-435	20751842
Slim (4.2 mm)	180	0°/ 90°	42°	DVSS-180	20751843
Slim (4.2 mm)	305	0°/ 90°	42°	DVSS-305	20751844
Slim (4.2 mm)	435	0°/ 90°	42°	DVSS-435	20751845
Slim (4.2 mm)	560	0°/ 90°	42°	DVSS-560	20751846
SlimPrisma (4.2 mm)	180	30°	70°	DVSSP-180	20751847
SlimPrisma (4.2 mm)	305	30°	70°	DVSSP-305	20751848
SlimPrisma (4.2 mm)	435	30°	70°	DVSSP-435	20751849
Hardy (6.35 mm)	180	0°/ 90°	50°	DVSH-180	20751850
Hardy (6.35 mm)	305	0°/ 90°	50°	DVSH-305	20751851
Hardy (6.35 mm)	435	0°/ 90°	50°	DVSH-435	20751852
Hardy (6.35 mm)	560	0°/ 90°	50°	DVSH-560	20751853
Super Hardy (7.2 mm)	711	0°/ 90°	40°	DVSSH-711	20751854
Super Hardy (7.2 mm)	940	0°/ 90°	40°	DVSSH-940	20751855

### (B) Viewing and memory options

Option I !



PVM (20751856)

USB interface with  
software option !



VIDCAP /USB2 (20751857)

Option I

14" LCD Monitor



SVM (20751858)

Option I

### (C) Light sources and fibre optic cable for powerfull illumination



#### LED

LEDCONTROL 160  
(20911804)



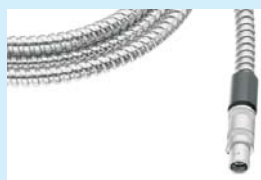
#### Xenon

FOT-LB24  
(20910902)



#### For more light

EL 1/4 1800 MEP  
(20710831)



Adapter LEMO I plug  
(21061030)

## Viewing and memory options

### Video options



### Portable video monitor and memory PVM / Basic kit (incl.)

Eltrotec TOPLINE video endoscopes can be operated with the well known, portable and battery cached video processor PVM. It shows outstanding picture quality on a 3,5" TFT LCD monitor. Pictures can be saved on SD card as format 640x480 JPEG or in Windows® Media Video format 320x240 stream. The PVM is equipped with a video output to view the pictures fatigue-proof at a larger monitor. With the USB interface pictures can be transferred to a external memory unit.

Shipment in Kit:

Charger, 2nd battery, Video-in cable, Video-out cable, USB cable, 8 GB SD memory card

### Adaption to an existing computer (Option)



Eltrotec TOPLINE video endoscopes can be connected to an existing laptop oder desktop computers. Video camera output has to be connected with adapter VC-USB2. In combination with the delivered software toolbox pictures can be saved or send with email.

For applications at the workbench which requires a higher amount of light for observation, we can advise our LEDCONTROL 160 LED or FOT LB24 xenon lightsources with fibre optic cable connector for an fatigue-proof inspection process.

### Connection to video monitor for fixed inspection at the workbench



Eltrotec TOPLINE Video endoscopes can be used with every brand of video monitors. This is a perfect and comfortable kind of work at workbench in serial inspection.

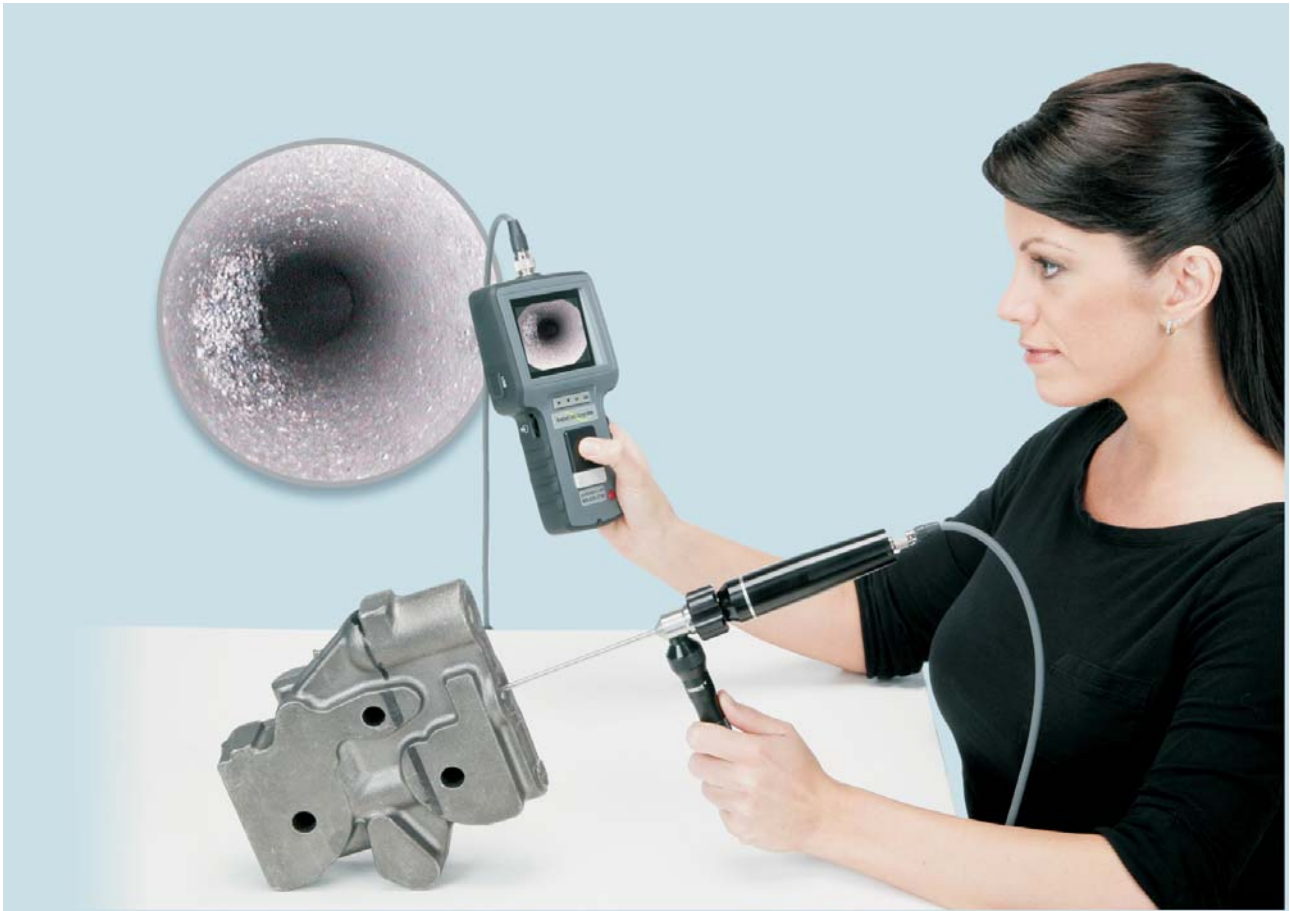
You need no saving of pictures:

The task is simply a 100% control of many parts in your daily inspection process.

Eltrotec advises the Sony 14" LCD video monitor (SVM) because of the outstanding brilliant display of the shown pictures.

For applications at the workbench which requires a higher amount of light for observation, we can advise our LEDCONTROL 160 LED or FOT LB24 xenon lightsources with fibre optic cable connector for an fatigue-proof inspection process.

## Applications



Serial inspection with rigid video endoscope in combination with DVS video version

## Pictures of inspection



**Eltrotec**: Partner for optical inspection with rigid, flexible and video-endoscopes, LED- Halogen- Xenon lightsources, fibre optic cables and modular cold light endoscopes up to 14 m length.  
Product presentation: **HOTLINE ++49/78161/98872 300**

**Eltrotec**: OEM endoscope builder - UV, hot temperature, all diameters in rigid, swing prism, flexible types, antimagnetic material for medical purposes!

Presented by: