

XTC Videoscope

Innovative CamChange and TecTip Technology



Made
in
Germany

World
Debut


The XTC is the worlds first videoscope with interchangeable CamChange and TecTip Technology. This innovation was developed in response to nuclear applications to visually check the drains of pools, pipes, rotating machines, valves, in contaminated areas.



The TecTip Technology integrates the videosignal-connector, the CMOS image sensor and the double LED-Lightsource into the interchangeable probe tip. The CamChange innovation dramatically saves repaircosts and decreases downtime if the probe tip or image sensor is damaged (radiation resistance: 10Gy/h | 200Gy/cumulative). The interchangeable CamChange camera head of the XTC videoscope can immediately be replaced at your facility within 30 minutes by your own employees without any technical knowledge. After replacing CamChange camera head the videoscope is fully operational again and the inspection can be taken promptly.



CamChange Interchangeable Camera Head



Step 1
Damaged camera head / image sensor
Interruption of the visual inspection

Step 2
Disassembly of the camera head
on site by own staff

Step 3
Mounted Camera Head
Resumption of the visual inspection

TecTip Integrated Technology

Explanation
Double LED + Chip on the Tip



- 
CamChange
interchangeable Tip
- 
TecTip
LED & Image Sensor
- 
4-way
Tip Articulation
- 
Mechanical
Control Levers
- 
Compatible with
Standard Monitors
- 
Compatible with
2,5" TFT-Display
- 
Compatible with
6,8" iTool DVR
- 
Compatible with
USB Frame Grabber

Visualisation

Seeing creates confidence. The XTC Videoscope by IT Concepts supports the user in efficient Inspections. The precise optics, the high quality Image Sensor, the bright white light double LED illumination and the professional camera electronics of the XTC Videoscope are perfectly harmonised. This results in clear images with natural colour quality for precise Inspection results.

Articulation

Precise, robust and direct. Thanks to the sensitive mechanical probe control, user can navigate the probe tip (distal end) instantaneously easy and intuitive in any desired position. The probe tip is articulated with control levers on the handpiece which conveys each movement instantaneously, precise and directly.

Documentation

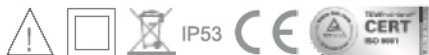
By means of the 5-Pin Video-out plug and Videoadapters, the XTC Videoscope opens a variety of different documentation options. Inspection images can be displayed on any Standard Monitor. Images can also be saved on any PC or notebook using the USB Video frame grabber. For best results we recommend monitors and documentation hubs from the accessories program of IT Concepts.

XTC Videoscope

Videoscope for Nuclear Power Plants

Technical Data XTC Videoscope

Art. Nr.	Diameter	Length	Articulation	CamChange	TecTip	Braid	DoV	FoV	DoF
200-48015-000-XTC	8.0mm	1.5m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48020-000-XTC	8.0mm	2.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48030-000-XTC	8.0mm	3.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48050-000-XTC	8.0mm	5.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48060-000-XTC	8.0mm	6.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48075-000-XTC	8.0mm	7.5m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48100-000-XTC	8.0mm	10.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48120-000-XTC	8.0mm	12.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity
200-48150-000-XTC	8.0mm	15.0m	4-way	yes, selfmade	yes, integrated	Tungsten on PU	0°	70°	15,0mm - infinity



DOV = Direction of View
FOV = Field of View
DOF = Depth of Focus



Interchangeable Camera Head CamChange

Art. Nr.	Description	DoV	FoV	DoF
420-08002-5001	CamChange interchangeable camera head with integrated technology TecTip	0°	70°	15,0mm - infinity
420-08001-5001	CamChange interchangeable camera head with integrated technology TecTip	0°	70°	10mm - 30mm
420-08000-5001	CamChange interchangeable camera head with integrated technology TecTip	0°	50°	15mm - infinity

Imaging and documentation devices for XTC Videoscope

Art. Nr.	Description	Detail
900-03001-0005	iTool Video Imaging Hub 6,8" LCD	17cm screen size, video recording, image recording, SD memory card, image and camera control
900-03001-0006	Standart Industrie Monitor 17" TFT	43cm screen size, image playback
900-03001-0012	Aufsteck Industrie Monitor 2,5" LCD	6.5cm screen size, image playback
900-03001-0017	USB 2.0 Frame grabber	Video capture, image capture, image control, USB 2.0 port for PC / Notebook, Software CD

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