TROTEC®

BENEFITS IN PRACTICE:

- Flexible endoscopic one-click photo or video documentation
- Light, easy-to-use compact device
- Mobile, power-source independent operation
- Robust, waterproof, oil und petrol resistant IP57 rated videoscope probe
- Small sensor diameter of only 5.5 mm
- 3 m sensor cable
- 3.5 inch TFT active matrix LCD colour display
- Bright 4-level LED illumination with brightness control
- Automatic exposure and white balance
- Automatic power-off

The ED-BU mini videoscope

This modestly-sized measuring device in the MultiMeasure Professional Series succeeds in convincingly combining the benefits of endoscopic inspections with the potential that only cutting-edge photo and video documentation can offer – and all this packed into an extremely light and highly mobile, yet robust and easy-to-use compact measuring device.

Benefit from a whole range of possibilities, like being able to simultaneously perform indirect optical sight inspections and compile static or dynamic image protocols with just one device.

Whether intended for the detection of problem areas or weak points, situation analyses, security checks (e.g. customs) or quality control – the ED-BU's compact form, its convincing technical performance parameters and its stunningly brilliant images mean that it is simply predestined for use in the trade and craft and the building industry and in industry in general.

Professional probing the easy way

Because of its small diameter, the extremely robust, oil and petrol resistant IP57 rated videoscope probe is ideal for professional applications in the smallest of cavities as well as in pipes and service and supply lines.

A closer examination of isolated or inaccessible inspection areas or the video documentation of longer inspection sections is now a problem of the past thanks to the comfortable length and heightened flexibility of the probes.

The optionally available side view adapters make a complete and comprehensive inspection of winding or twisting inspection zones possible, while the guide ball, which is also available as an additional accessory, prevents the probe from snagging or getting stuck in corners while providing a central field of vision.

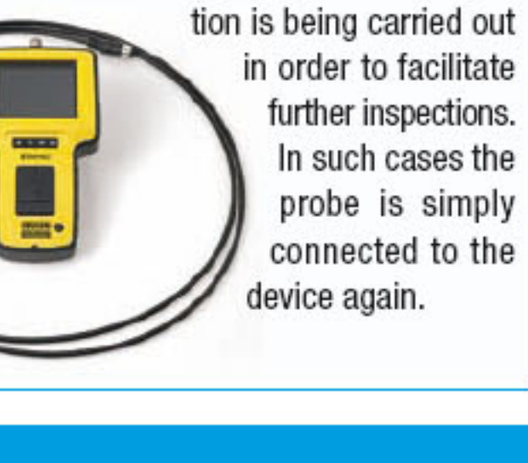
Cableless und highly mobile

From the daily experience of experts, appraisers and maintenance technicians:

As is often the case, it is not only the inspection area itself which proves to be almost inaccessible, but even the location where the inspection is to take place. In such an event there is nothing like a measuring device which neither adds to the burden nor further restrains the user's mobility.

The ED-BU was designed and developed with exactly these points in mind:

The mini videoscope does not require any cables and is not dependent on an additional external power supply. The sensors, video and memory components as well as the high-performance Li-ion rechargeable batteries with a long operating life are all housed in a compact measuring meter weighing in at only 450 g!



And because the probe is not fixed to the meter, but connected via a plug it can be disconnected during transport and then attached again when the location has been reached.

This also means that the probe can be left in the object where the inspection is being carried out in order to facilitate further inspections. In such cases the probe is simply connected to the device again.

A whole host of application possibilities…

A combination comprising easy handling, professional technology, flexible documentation and unbeatable value for money opens totally new horizons for users in industry, the trade and crafts industry and the building industry:

Maintenance departments

A video documentation of inspection intervals permits changes in the state or condition of the inspected area to be recorded over longer periods, allowing comparisons to be drawn and conclusions regarding replacement or repair cycles to be made, which in turn can all result in a fall in down times and a drop in maintenance costs.

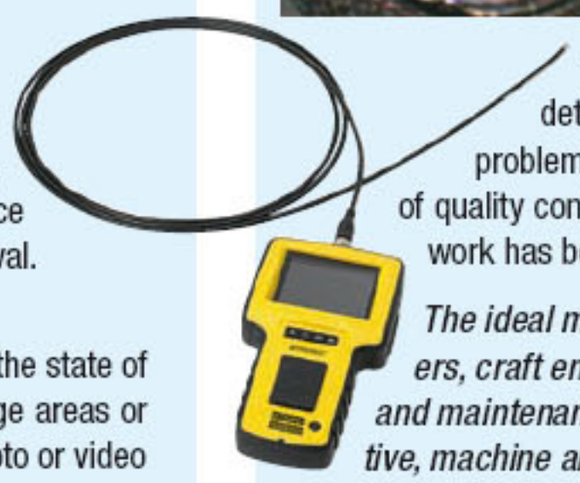
The trade and craft industry and production

Preparatory inspections can save a number of unnecessary steps like the needless disassembly of certain parts, machines or sections, and a "before-and-after" video protocol can be presented as evidence to prove that a job has been carried out to the contractor's approval.

Experts and appraisers

Benefit from this non-destructive appraisal method to determine the state of inaccessible weak points or problem areas and document damage areas or bad workmanship by compiling an informative and instructive photo or video protocol.

…and a sheer limitless field of application



The ED-BU mini-endoscope is ideally suited for the detection, photo or video documentation and analysis of problem or weak areas, and can prove indispensable in the line of quality control, condition analysis or as a means of verifying that work has been carried out as agreed upon.

The ideal measuring device for planners, experts and appraisers, craft enterprises in the construction business, production and maintenance departments with their main focus on automotive, machine and turbine technology as well as countless other fields of application.

You're always in the picture

The mini videoscope provides stunningly sharp and amazingly brilliant images which are presented in real-time on a large TFT active matrix LCD display.

You can focus fully on the inspection at hand while the ED-BU's intelligent sensors take care of the rest:

Expose settings, white balance, target focussing – the most important parameter are all preset or integrated as an automatic feature directly in the CMOS sensor of the measuring device.

The intensity control on ED-BU's bright 4-level LED illumination can be set individually to suit ensure that the inspection area is always illuminated just the way the user wants it.

Remarkably reliable recording…

One click only and your live inspection will be recorded as an individual photo or a video sequence and saved for documentation purposes – including the time and date if you wish.

And because the SD storage card is expandable to 2 GB you can make just about as many video sequences as you like.

You can then view the live images or any of the stored data on either the display of the measuring device or an external monitor and then transfer this information via an SD card reader or a USB cable to your PC for further analysis, processing or archiving.

Technical Data		Video endoscope ED-BU 3000-5
Article number		3.510.009.414
Video probe	Length	3,000 mm
	Diameter	5.5 mm
	Line / range of vision	0° / 67°
	Depth of focus	15 - 100 mm
	Bending radius	90 mm
	Type of illumination	4-level LED
	Protection class	IP 57
System	Monitor	3.5 inch TFT active matrix LCD colour display
	Image sensor	CMOS
	Exposure	automatic
	White balance	automatic
	Image repetition frequency	30 fps (frames per second)
	Photo resolution	640 x 480 pixels
	Photo data format	JPEG
	Video resolution	320 x 240 pixels
	Video data format	ASF
	Video compression format	MPEG-4
	Video norm	NTSC or PAL
	Video out	composite video / FBAS
	Interface	USB, mini 5-pin
	Memory	512 MB SD storage card (expandable to 2 GB)
	Power supply	3.7 V Li-ion battery; rechargeable
	Weight	approx. 450 g
Scope of delivery	standard	ED-BU 3000-5 video endoscope with video probe, power supply cable, USB cable, video adapter cable, 512 MB SD storage card, operating instructions, carry case
	optional	45° side view adapter, 60° side view adapter, probe guide ball, probe magnet attachment; Video probes can be supplied in lengths of 1 m, 2 m, 5 m, 10 m, 20 m, 30 m