

# EH endoscopes

## The optimum appliance for industry, surveyors, architects and craftsmen.

### PRACTICAL ADVANTAGES:

- Mobile, battery-operated use
- Non-fogging, petrol and oil-resistant lens
- Pre-bendable, sturdy probe
- Watertight
- Absolute sharpness due to smooth eyepiece focusing
- Eyepiece cup eliminates interfering ambient light

### EH 1000-8 / EH 2000-8:

- High resolution provided by 7,400 optical fibres
- Even brighter – light intensity of over 20,000 Lux (at a distance of 16 mm)
- No development of heat at the tip of the instrument
- Sharp-edged image due to specially tempered, high resolution achromatic lens
- Bright rod lens
- Large field of view due to large aperture angle (50°)
- Small diameter (8 mm)
- Small bending radius (60 mm)
- Patented quick fastener

### EH 120-9:

- Bright LED illumination
- Light, compact endoscope
- Large field of view due to large aperture angle (45°)
- Small diameter (9 mm)
- Includes 90° side view adaptor
- Optimum value for money



Once you have worked with this endoscope, you will never want to do without it again. Thanks to their battery operation, EH endoscopes are suitable for many applications such as quality assurance, maintenance, building diagnostics or damage analysis.

Using these flexible, bendable fibre-optic endoscopes, material condition and quality can be checked and damage identified at an early stage without time-consuming dismantling, thus reducing material and labour costs.

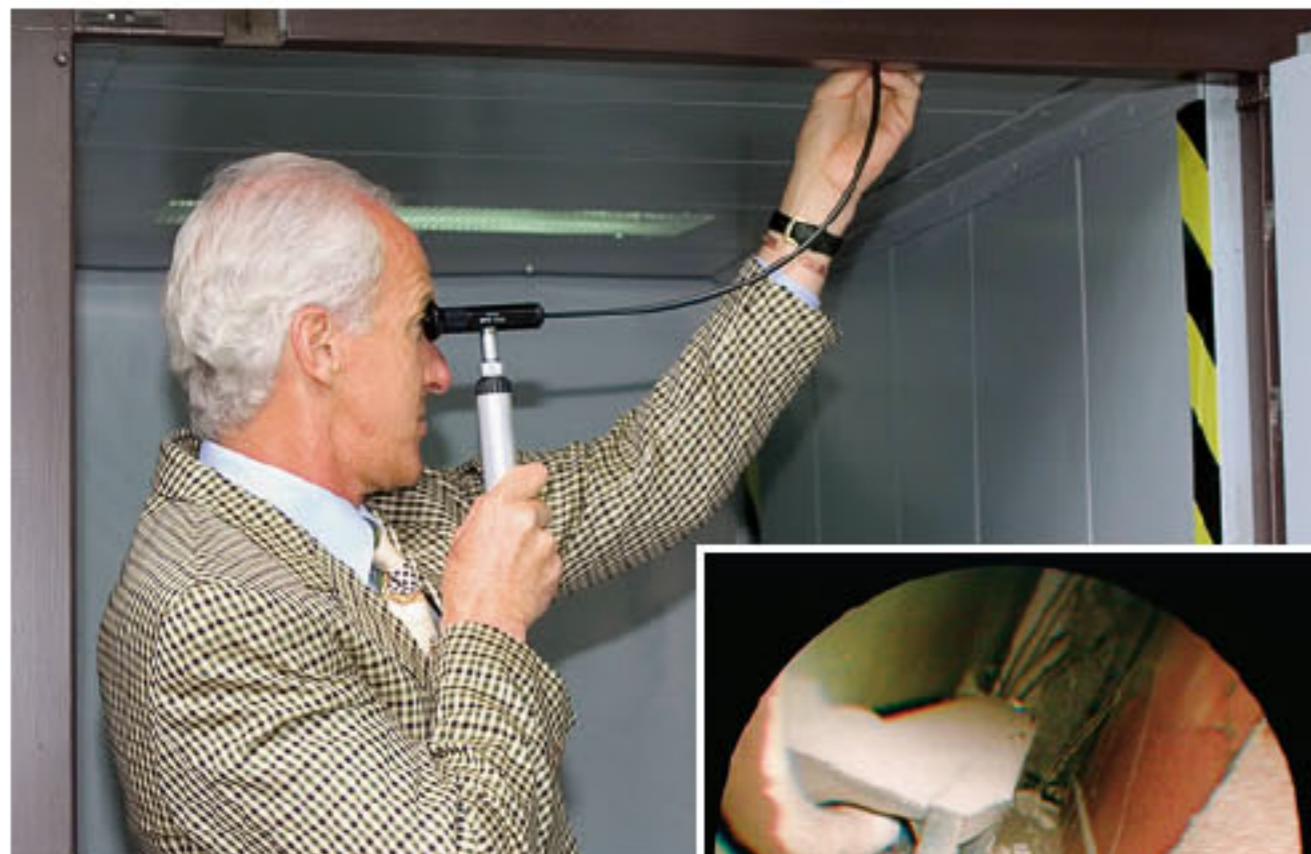


EH 1000-8 / EH 2000-8



EH-120-9

## EH 1000-8 and EH 2000-8 – sturdy fibrescope for a variety of applications



These extremely bright fibrescopes are quality German-made measuring instruments and stand out with their many manufacturing details and features.

The combination of specially hardened, high resolution achromatic lens, a fibre-optic cable consisting of 7,400 single fibres and an impressive illumination power of 20,000 Lux enable optimally lit, detailed and sharp-edged images to be displayed.

The semi-flexible endoscopes, with smoothly focusing eyepiece and non-fogging, petrol and oil-resistant lens, can be angled individually, are watertight, have good sliding properties and are shock-resistant and sturdy.

### EH 1000-8 and EH 2000-8 provide you with maximum flexibility:

The stainless steel battery holder with knurled surface for a secure, non-slip grip houses the batteries for mobile use independent of mains electricity.

To optionally change from 3.5 V battery operation to 12 V or 230 V operation, the eyepiece unit can be separated easily from the battery holder thanks to the patented quick fastener and connected to various sources of electricity.

This way, for example, it is possible to achieve an extremely high brightness of up to 80,000 Lux using mains electricity in conjunction with the HK 7000 cold light projector and glass-fibre optical cable.

For the optimal inspection of difficult to access areas with many convolutions, both optionally available 90° and 110°



side view adaptors can be screwed onto the tip of the probe to enable fixed focusing on the inspection target.

In addition, the brightness of the Xenon special halogen lamp can be smoothly dimmed for the examination of highly reflective areas.

## EH 120-9 – universal compact endoscope for quick optical inspection

The EH 120-9 is suitable for numerous possible applications. As your constant companion in its compact aluminium carrying case, the device is ready for use in no time at all – just switch on and start working.

Thanks to its working length of 1,200 mm and small diameter, the pre-bendable, semi-flexible probe allows detailed views into areas which are not directly accessible, such as shafts and hollow spaces, pipes, supply lines, machines, plants and motors.



The bright LED illumination ensures that the inspection area is brightly lit in every situation and the included 90° side view adaptor enables all-round inspection in convoluted zones.

The EH-120-9, with its impact-proof, rust-proof ABS plastic casing and PVC-coated probe is completely maintenance-free – only the batteries must be replaced now and again.

*The integrated high performance LED is designed for a service lifetime of 100,000 hours, which corresponds to uninterrupted operation for more than eleven years!*



**Accessories for the EH 1000-8/EH 2000-8:** screw-on 90° and 110° side view adaptors (tapered), connecting cable with automatic connector for increasing the distance between endoscope and battery holder, 12 V rechargeable battery box, HK 7000 cold light projector, adaptor for cold light projectors (compatible with existing systems).

Technical data	EH 1000-8	EH 2000-8	EH 120-9
Article no.	EH1008	EH2008	3.510.009.110
Probe diameters	8 mm		9 mm
Effective length	1,000 mm	2,000 mm	1,200 mm
Type of illumination	dimnable Xenon special halogen lamp 3.5 V		LED
Brightness	over 90,000 Lux with 230 V power supply, over 20,000 Lux with 3.5 / 12 V power supply (at a distance of 16 mm in each case)		4,000 Lux
Direction of view / field of view	0° / 50°		0° / 45°
Focus	Minimum observation distance > 10 mm		
Eyepiece	focus adjustable		
Optical fibres	7,400		7,200
Bending radius	60 mm		90 mm
Probe sheathing	PVC, flexible, ductile		resin-coated, flexible, ductile
Resistance	Lens and probe watertight, resistant to oil and petrol		
Battery holder	Stainless steel, knurled		ABS plastic
Working range	-20 °C to +50 °C		-10 °C to +50 °C
Battery type	three LR 14 (size C) alkaline manganese batteries		three 1.5 V AA batteries
Supply package	Endoscope, spare lamp, carrying case		Endoscope, side view adaptor, batteries, carrying case