

# HT - Endoscope

## High - temperature resistant endoscope



Industrial stand: 02/2003

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### Special characteristic features

The Schölly high-temperature endoscope; to be used when others overheat.  
For the use in the industry of glass, steel, chemistry and petrochemistry.

- Visual inspection.
- Temperatures up to maximum 1,800 °C.
- Lengths up to maximum 2,000 mm.
- Cooling by water, clean air or nitrogen.
- Clear view through air-cleaning system at the area of the objective (optional).
- Flange for fix installation in working area.
- Optimal view due to different directions of view.
- Documentation via modern video technology and archiving of pictures.
- Enhancement of the safety in processing and verification of processes via visual control.

# Synoptical Table HT - Endoscope

Base version without fiberoptical illumination, without air-cleaning system and without flange.

Objective: Direction of view: 0° direct view

Angle of aperture: 45°, 60°, 85°

## Additional options

- 1\*) With fiberoptical illumination.
- 2\*) With air-cleaning system for objective (air or nitrogen) against contamination of the objective at generation of soot.
- 3\*) Side view objectives: Direction of view: 45° or 90°  
Angle of aperture: 60°

For all devices, a flange for fixation is available.

Due to the options a change in length or diameter of the lenses is may occur.

LS = Ø Lens system    L = Working length

	Ø 10 mm (LS 4 mm or 2.7 mm)	Ø 14 mm (LS 5.5 mm oder 4 mm)	Ø 25 mm (LS 5.5 mm)	Ø 33.7 mm (LS 8 mm)	Ø 60.3 mm (LS 8 mm)
<b>400 °C</b> (air cooling possible)	L: up to 1,000 mm 1*, 2*, 3*	L: up to 1,500 mm 1*, 2*, 3*	L: up to 1,500 mm 1*, 2*, 3*	L: up to 2,000 mm 1*, 2*, 3*	
<b>800 °C</b>	L: up to 600 mm 1*, 2*	L: up to 1,000 mm 1*, 2*, 3*	L: up to 1,500 mm 1*, 2*, 3*	L: up to 2,000 mm 1*, 2*, 3*	
<b>1.200 °C</b>	L: up to 600 mm	L: up to 1,000 mm	L: up to 1,500 mm 2*, 3*	L: up to 2,000 mm 2*, 3*	L: up to 1,000 mm 1*, 2*, 3*
<b>1.800 °C</b>					L: up to 1,000 mm 2*

When using endoscopes with water cooling, the water temperature must continuously be measured on the cooling water outlet. The temperature must not exceed 60 °C, as the endoscope can be damaged by overheating.