MICRO-EPSILON

More Precision

Eltrotec // Industrial Endoscopes

ELTROTEC Flexible Pro

- *Ø 2.5 mm to 5 mm*
- *Lengths: 700 mm to 1200 mm*
- *Resolution up to 18,000 pixels*
- *Probe tips can be angled on 2 sides*
- *Complete set in a handy case*
- *External focus ring for diopter adjustment*

Flexible Top-Line endoscopes are ideal for narrow radii, curved components or hard-to-reach places, as the probe is very flexible. The probe tip deflection is controlled manually. The angular position can be fixed with a parking brake. The probe is very robust with the protective sheathing made of stainless tungsten braiding.

A mirror or prism head is optionally available from a diameter of 3.3 mm. The endoscopes can be operated independently of the mains with a hand lamp or with an external light source. The connection to a camera system is possible.

Operating conditions:

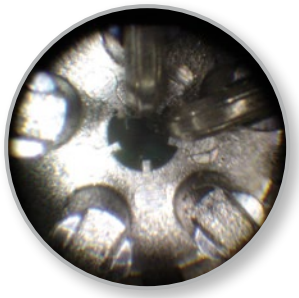
- Temperature in air:
  Endoscope probe: -20 °C to +60 °C
  Complete endoscope: -20 °C to +50 °C
- Pressure resistance in air: up to 5 bar
- Resistance to liquids:
  The endoscope probe may be immersed in the following liquids for a short time: water, saline solution (5 %), kerosene, gasoline, diesel, 70 % alcohol
- Humidity: up to 95 % at 40°
  (non-condensing)

Complete set:

- Top-Line flexible endoscope
- 90° mirror head (with Flexible Pro ø 5 mm, optional 90° prism head)
- SuperNova LED
- Robust aluminum case
- Li-Ion battery with charging device

Application examples:

Position of a screw



Position check

Top-Line	Flexible Pro				
Outer-Ø	2.5 mm	2.5 mm	3.3 mm	4 mm	5 mm*
Length	700 mm	1200 mm	850 mm		
Resolution	7,000 pixels		18,000 pixels		
Direction of view	0° / 90°		0°		
Aperture angle	60°		45°		
Focal range	5 mm to ∞				
Mirror head	-				90° mirror head
Probe tip angle (articulation)	2 times, 120° each				
Bending radius	35 mm	35 mm	40 mm		
Temperature resistance	≤ 60°				
Part number	20751770	20751771	20751886	20751893	20751639

*90° prism head available

Accessories	Article no.
90° mirror head for Flexible Pro, only with ø 5 mm	20751641
90° prism head for Flexible Pro, only with ø 5mm	20751678

90° mirror head

90° prism head (optional)

SuperNova LED hand light source

Information about other flexible endoscopes with numerous different diameters can be received on request.

Please contact us - we will advise you on the selection of the optimal solution tailored to your needs.

Sensors and Systems from Micro-Epsilon

Sensors and systems for displacement, distance and position

Sensors and measurement devices for non-contact temperature measurement

Measuring and inspection systems for metal strips, plastics and rubber

Optical micrometers and fiber optics, measuring and test amplifiers

Color recognition sensors, LED analyzers and inline color spectrometers

Industrial endoscopes, light sources

Modifications reserved / Y9761395-E052054GKE

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