

# More Precision

# ELTROTEC // Industrial Endoscopes



8

### ELTROTEC MKF-D



#### - 6mm to 14mm

- Lengths: 175mm to 1,505mm
- Direction of view -7° to +133°
- Rotatable through 370°

#### Description:

The unique feature of the Eltrotec MKF-D is its integrated swing-prism enabling the viewing direction to be changed between -7° and 133° as desired. Using just one finger the viewing direction can be altered using the hand wheel on the control element. The angular field of view of 45° provides a sufficiently large visible region. The entire region in front of the endoscope can be inspected by moving the prism as the lens can also be rotated through 370°.

With the MKF-D with a diameter of 6mm, a mixed optical system for the optimisation of light transport is used. The optical system of each endoscope is calculated by software, thus enabling a reduction in weight and greaterdurability.

#### Features:

- Variable viewing direction
- Entire region in front of the endoscope visible
- Large range of lengths for different tasks
- Robust construction
- Ergonomic design

#### Operating conditions:

- Temperature in air: Endoscope probe: -20°C to +100°C Complete endoscope: -20°C to +50°C
- Pressure resistance in air: up to 2 bar
  Resistance to liquids: The endoscope probe can be immersed in the following liquids for short periods: water, saline solution (5%), kerosene, petrol, diesel, 70% alcohol
- Humidity: up to 95% at 40° (no condensation)

#### Application examples:



Oil filter



Inspecting a weld seam



Checking brake cylinder for burrs

Type MKF-D Outer-Ø mm Direction of view Field of view Length mm Rotating ptube Article no. -7° to +133° 45° yes -7° to +133° 45° yes -7° to +133° 45° yes -7° to +133° 45° ves 45° -7° to  $+133^{\circ}$ yes 

(Further dimensions on request!)



Now also available with 4.3 mm outer diameter



Swing-prism of the MKF-D

#### Accessories: Fibre optic cables, TV cameras, video processors and light sources

-7° +133°

## High performance sensors made by Micro-Epsilon



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MICRO-EPSILON Eltrotec GmbH Heinkelstraße 2 · 73066 Uhingen / Germany Tel. +49 (0)7161 98872-300 · Fax+49 (0)7161 98872-303 eltrotec@micro-epsilon.de · www.micro-epsilon.com