

## Rigid endoscopes ME

For inspecting miniature components



### Application:

For inspecting of straight bores, channels etc. on miniature components in the field of micro-electronics and precision engineering.

### Execution:

- High-quality quartz fibres
- Soft, offset knurls for focus and focus adjustment
- Remote focusing ring for diopter adjustment
- Focusable from 1 mm to infinity
- Temperature in air: Complete endoscope: -20°C to +50°C, (endoscope probe only: up to +60°C)
- Pressure resistance in air: up to 5 bar
- Fluid resistance: Endoscope probe can be submerged for a short time in water, salt solution (5%), kerosene, petrol, diesel or 70% alcohol
- Humidity: up to 95% at 40°C (non-condensing)

### Advantage:

- Light flexible probe, robust in application with high breaking resistance
- Optimised fibre-optic connection for the best possible light efficiency
- Can be adapted for camera systems for documentation tasks
- Large range with probe diameters from 0.9 to 2 mm in 0.1 mm gradations
- Bespoke models optional on request



|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Art. no.</b>                      | <b>41451 410</b>           |
| <b>Brand</b>                         | MICRO-EPSILON              |
| <b>Manufacturer Part Number</b>      | 20531943                   |
| <b>Model</b>                         | ME                         |
| <b>Probe diameter</b>                | 1 mm                       |
| <b>Outer diameter</b>                | 1 mm                       |
| <b>Effective length of endoscope</b> | 20 mm                      |
| <b>Line of sight</b>                 | 0 Degree                   |
| <b>Opening angle</b>                 | 50 Degree                  |
| <b>Endoscope tube</b>                | Rigid                      |
| <b>Fiber optic connection</b>        | Light guide connection 5mm |
| <b>Resolution (pixels)</b>           | 10 pix                     |
| <b>Lens system</b>                   | Quartz image guide         |
| <b>Diameter eye funnel</b>           | 31.75 mm                   |
| <b>Connection thread lens</b>        | M12x1                      |
| <b>Gross Weight</b>                  | 0.500 kg                   |
| <b>Product Group</b>                 | 4EA                        |