



## KMF 3 CALIBRATOR FOR EXTENSOMETERS

### Area of application

The KMF 3 is an economical and universal instrument for checking a large variety of extensometers and for setting the gain of their measurement amplifiers. A linearity test of extensometers is possible only within the system accuracy of the KMF 3. For linearity checks of extensometers with the accuracy class between 0.2 and 1 the calibrator KMF 100 is necessary (according to European Norm EN ISO 9513). In the horizontal position of the KMF 3 even inductive transducers (e.g. LVDTs) can be clamped on through the base plate for testing. Its low weight and handy construction make it highly suitable for field work.

### Design and function

On a stable frame a digital micrometer is fixed having a non-rotating spindle with a stroke of 50 mm. The micrometer can be set to zero at any desired position. The spindle is extended with a measuring pin ( $\varnothing$  12 mm). Inside the frame the extensometer or inductive transducer can be affixed for testing. Holders with tungsten carbide plate for gauge heads and threaded holders (M4 x 0.5) can be attached instead of the upper measuring pin. The base supports of the instrument can be changed so that a 3 - or 4 - point support may be selected. All parts are made of corrosion resistant materials (hardchrome plated columns, coated aluminium and stainless steel). A data interface for the printer DP - 1DX is available with the digital micrometer Mitutoyo 164 - 161.

The supply included :

- Extensometer calibrator with digital micrometer Mitutoyo 164 - 161
- 2 Measuring pins  $\varnothing$  12 mm
- 1 Hexagonal screw driver 4 mm
- 1 Hexagonal screw driver 1.5 mm

### Accessories on request

Holder with tungsten carbide plate  
Threaded holder with M4 x 0.5  
Columns extended by 50 mm

### Technical characteristics :

Stroke 50 mm  
System accuracy  $4 \mu\text{m}$   
Resolution  $1 \mu\text{m}$   
Measuring pin for clip on extensometers  $\varnothing$  12 mm  
Movement of one turn 0.5 mm  
Digital micrometer Mitutoyo 164-161  
Weight 2.5 kg