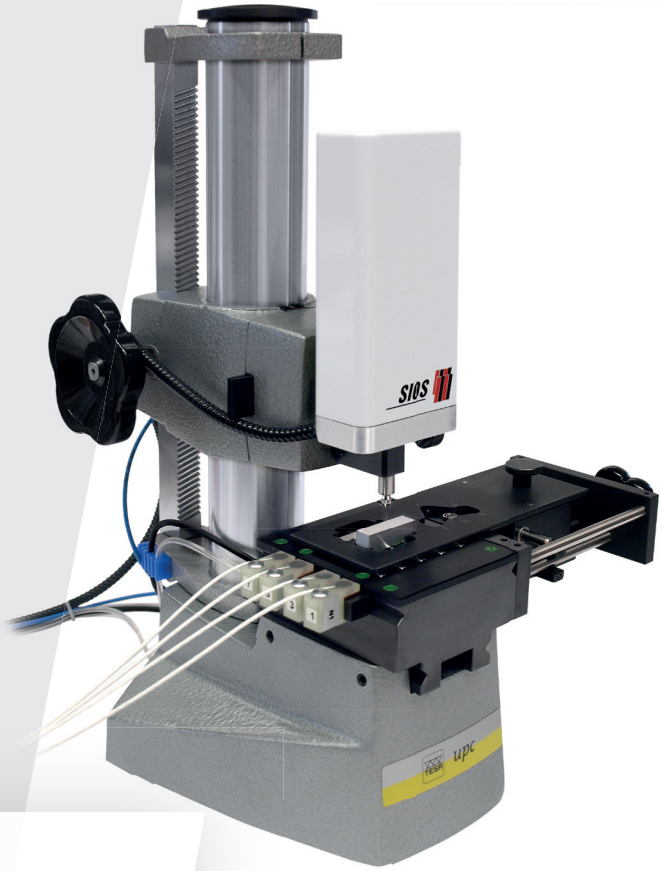
SIOS Meßtechnik GmbH



EPP

Product information

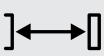
Highly accurate gauge block calibration system

Gauge Block Calibration System

EPP

The EPP gauge block calibration system for calibrating gauge blocks uses an LM 20 laser interferometric probe as the upper measuring probe. It has a measuring range of 20 mm and a resolution of 1 nm. The Physikalisch-Technische Bundesanstalt Braunschweig determined a measurement error of less than 10 nm for this probe during gauge block calibration. This means that the number of standard gauge blocks required can be reduced to 15 for a 122-part gauge block set according to a PTB recommendation.

With a calibration procedure, the linear errors of the gauge block tester (misalignment, skewing of the probe, temperature influences) can be determined and corrected. The comfortable operation of the gauge block test station as well as the correction, evaluation and output of the measured values are carried out via a PC with the software „Infas-GAUGE“ (parallel gauge block calibration).

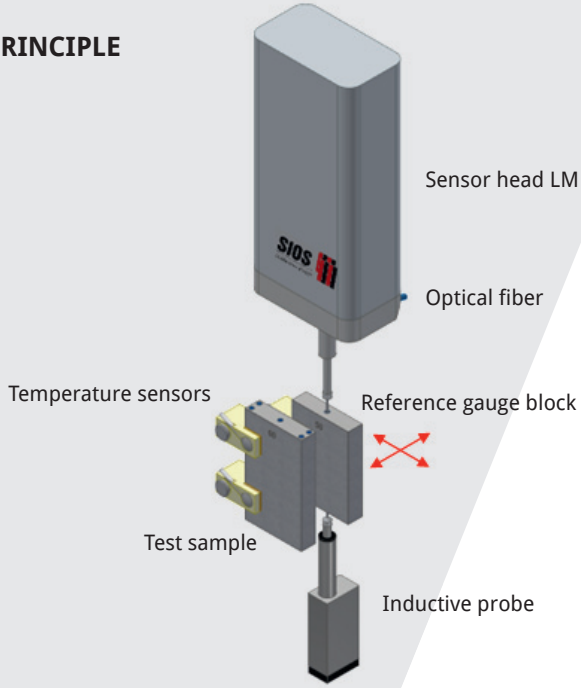


0.5 mm bis 100 mm

U=0.05 µm + 0.5 · 10^{-6} · L

1 nm

MEASURING PRINCIPLE



Areas of application

- calibration of gauge blocks with rectangular cross section in the range from 0.5 to 100 mm
- determination of parameters according to ISO 3650

Ideal für

- quality control
- calibration
- gauge block calibration

PRECISION & QUALITY
MADE IN GERMANY

For customer-specific versions, OEM applications or integration in special measuring stations, please contact us.

We will be happy to personally assist you in finding solution to your measuring tasks.

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