

Precimar 826 PC

Gage Block Measuring Instrument

DESCRIPTION

- The 826 PC gage block measuring instrument is quick, reliable and highly accurate. An open and extremely rigid L-shaped stand forms the base for the two counteracting precision measuring probes and the measuring table.
- Rigid cast stand for temperature stability and heat resistance
- Fast adjustment of vertical slide with top probe
- Highly ergonomic, user friendly one-handed operation to position the gage blocks under the measuring probe
- Precision adjustment via torsionally rigid parallelogram springs
- Electropneumatic lifting of measuring probes
- Precision ball bearing guides for smooth manipulator actuation
- No influence on measurement from hand force
- Round carbide precision support pins make it easy to move the gage blocks on the measuring table
- Set value linked to the stored actual deviation of the reference gage block, avoiding the need for zero point setting
- With QM-Block software:
 - Flattening correction
 - Correction of differing coefficients of expansion
 - Mean value generation



TECHNICAL DATA

826 PC	
Stylus ball radius, upper probe	1.500000
Stylus ball radius, lower probe	1.500000
Table surface (A x B) mm	60 mm x 55 mm
Application range mm	0.5 to 170
Type	826 PC
Direct measuring range [mm]	0.2
Repeatability [μm]	± 0.01
Mass [kg]	37

APPLICATIONS

- Quick and easy high precision testing of European and US gage blocks up to 170 mm in length, as per ISO 3650

ACCESSORIES

- QMSOFT® / QM-Block calibration software for the calibration and data management of gage blocks and gage block sets
- The evaluation program runs under Windows 7 Ultimate.
- Excellent thermal insulation with wraparound acrylic glass screen
- 826 Va HS lifting device for fast and quiet pneumatic lifting of inductive probes via foot switch
- Temperature compensation
- Pincers, gage block suction lifter, optical flat, lay-on thermometer



For more information, please visit our website: www.mahr.com

Precimar 130B

Gage Block Measuring Instrument

DESCRIPTION

- The 130B-24 and 130B-16 gage block measuring instruments from Mahr are the first choice for many large calibration laboratories. They are designed for comparative measurements of gage blocks.
- A unique 'floating measuring frame' ensures exact point-to-point measurement
- Single sensor design for minimal electronic noise
- Precision balanced system for optimum adjustment of measuring forces
- Integrated measuring software and user interface
- Built-in positioning device for reproducible measuring positions



TECHNICAL DATA

130B	
Stylus ball radius, upper probe	3.000000
Stylus ball radius, lower probe	3.000000
Application range mm	0.25 to 100 0.25 to 600
Type	130B
Direct measuring range [mm]	± 0.01
Repeatability [μm]	6 σ < 0.025
Mass [kg]	100 140

APPLICATIONS

- Quick and easy high precision testing of European and US gage blocks

ACCESSORIES

- For further information please see our separate brochure



For more information, please visit our website: www.mahr.com