

Gauge Block Interferometer GBI

Automatic Gauge Block Calibration

- Automatic measuring instrument for primary-level gauge block length determination for blocks between 0,5 mm and 250 mm using optical interference.
- The intensity and wavelength of the He-Ne laser light sources are highly stable. This allows high-accuracy measurement.
- To reduce the effects of operator body heat, automatic remote measurement can be performed.
- The GBI automatically detects the distribution of interference fringes and processes the data, thus eliminating human error.
- Both the refractive index and the thermal expansion of gauge blocks are automatically compensated for by the computer which is linked to a thermometer, hygrometer, and digital barometer.



GBI

No.	Measuring range
GBI*	0,5 - 250 mm