

Unit for Calibration of Gauge Block

GAUGE BLOCK COMPARATOR

By using this Gauge, We can Calibrate Gauge Block from 0.5 to 100 mm length. While using this Instrument, we require a Reference Master Gauge Block whose exact Centre Point Deviation has to be known before. With this instrument we have used 2 High Precision Measuring Probes: 1 at the Top & 2 at the Base Plate which ensures reliable and accurate results. With this Instrument, we provide a Gauge Block Holding Fixture, which guides the probe to trace 5 different Points on the surface to calculate the Parallelism of the Gauge Block. All these Measurement takes place with reference to Centre Deviation of Reference Master. This instrument comes with a Pneumatic Lifting System, which helps to move and calibrate the Gauge Block without any Jerk and Interference caused due to Body Heat.

To avoid the fatigue of the operator, We provide a User-Friendly Software with this Instrument, which can calculate the Grade of Gauge Blocks, stores all measured results, certificates can be printed and it compensates the Temperature variations automatically, with reference to Thermal Co-efficient.

Features

- Center deviation
- Parallelism by measuring at 5 points and there by selection of the Grade

This Instrument Consists of

- Gauge block comparator stand with two templates.
- TESA make DRO with pair of LVDT probe (Bottom & Top).
- Pneumatic Lifting System.
- Laptop or Computer. (On request)
- Software on CD. (On request)
- Operating manual.
- Software manual. (On request)
- Heat resistance shield.
- Dust cover for Comparator
- Calibration report issued from National Accredited lab.



Technical Specification

- Measuring Range: 0.5-100 mm
- Measuring system; Digital
- Repeatability: 0.02 μ m
- Display: Digital Read out with RS232 Port.
- Resolution: 0.001, 0.0001, 0.00001 mm.
- Lifting Device: Pneumatic pump to be operated manually.
- Software: software suitable for calibration of Gauge Block from 0.5 to 100mm in Metric & Imperial.

Manufactured, Sales & Service By :

ADITYA ENGINEERING COMPANY, PUNE, INDIA.

Authorised Distributor

An ISO 9001:2008 Certified Company

Head Office : Gauge House, First Floor, 67, Hadapsar Ind. Estate, Pune 411 013. India.

Tel.: +91-20-66039243, +91-20-66039201 Fax : +91-20-26870858

Email : adityaengg@adityaengg.com Website : www.adityaengg.com