



MA/FRM/19

ULR-CC210222000000849F



MECHANICAL CALIBRATION DIMENSION (Precision Instrument)

MIKRONIX ASSOCIATES
AURANGABAD 431 006CALIBRATION CERTIFICATE OF
A SET OF STEEL SLIP GAUGES

Calibration Date	Issued On	Certificate No.	Page	No. of Pages
02-10-2022	02-10-2022	SSG 3487*	1	2

Tested for : M/s. TRIMASTER METROLOGY,
Vasudha Equinox, Office No.202, 2nd Floor, Old Mumbai Pune Road,
Bopodi, PUNE-411003.

Your Ref. : As Per Your Challan No- PNE/22-23/78, Dtd 17-09-2022.

Description & Identification of Instruments : Steel Slip Gauge-06 Nos, Grade: 0, Mikronix Make

Coefficient of Thermal Expansion : $11.5 \times 10^{-6} / ^\circ \text{C}$

Test Purpose : Measurement of Slip Gauge for their mean length at 20°C
to IS: 2984 of 2003.

Environmental Conditions : Temperature 20.2°C

Method Used : Comparison method as per MA/PCD/31.

Major Equipments used :

Calibration Valid
For 2 Years

a) Steel Slip Gauge Set M3, GR: 'K' Set Sr.No. 204 calibrated at CMTI Bangalore (CC-2153), vide their Certificate No, 21/53/01/041-S/3/256-A1&A2, Dtd. 14-02-2022 valid upto 14-02-2025.

b) Steel Slip Gauge Set M39, GR 'K', Set Sr.No. 222 Calibrated at 'NABL' Lab No. CC-2082 vide Cert. No. P/01/210022, Dtd. 05-06-2021 valid upto 05-06-2023.

c) Electronic Gauge Block Calibrator (Model: GBC 931, Mikronix make) Sr No. 00197, in house (CC-2102) calibrated traceable to CMTI B,lore vide Certificate No. GBC 27, Dtd. 06-05-2021 valid upto 06-05-2023.


d) Gauge Block Calibrator Range 0-1000 mm Sr.No. 397, in house (CC-2102) Calibrated traceable to 'CMTI', B'lore, vide their Certificate No GBC 29, Dtd. 07-06-2022 valid upto 07-06-2023

Uncertainty of measurement : $\pm 0.15 \mu\text{m}$ for 50 mm.
(AT 95% confidence level with coverage factor k =2) $\pm 0.25 \mu\text{m}$ for 100 mm.
 $\pm 0.52 \mu\text{m}$ for 200 mm.
 $\pm 0.71 \mu\text{m}$ for 300 mm
 $\pm 1.0 \mu\text{m}$ for 400 mm
 $\pm 1.2 \mu\text{m}$ for 500 mm

Note: The Calibration Results reported in this Certificate are valid at the time of and the stated condition of measurement.

This Calibration Certificate should not be re-produced except in full without written permission from Managing Partner, Mikronix Associates, Aurangabad.


CALIBRATED BY


ASST. QUALITY MANAGER

MIKRONIX ASSOCIATES

POST BOX NO. 726, W-10, MIDC INDUSTRIAL AREA, CHIKALTHANA,
AURANGABAD - 431 006. (M.S.) INDIA. • Mobile : 808798954, 9404568909.
• E-mail : sales@mikronixassociates.com
• Website : www.mikronixassociates.com



CC-2102

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MIKRONIX ASSOCIATES
AURANGABAD 431 006

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CALIBRATION RESULTS

Sr. No.	Nominal size in mm	Centre Dev. in µm
3077	50	+0.34
3077	100	-0.40
3077	200	-0.5
3077	300	-3.8
3077	400	-0.8
3077	500	-0.6

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