



Certificate No. : CC-2102

MA/FRM/19



ULR-CC21022100000629F

TRUE COPY

MIKRONIX ASSOCIATES
AURANGABAD 431 006

CALIBRATION CERTIFICATE OF
A SET OF SLIP GAUGES

Calibration Date	Issue Date	Certificate No.	Page	No. of Pages
23-09-2021	23-09-2021	SG 3110	1	2

Tested for : **M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION**
House No. 4, Abhishree Corporate Park, Nr. Swagat Bungalow
BRTS, Iskcon – Ambli Road, Ambli, AHMEDABAD – 380 058

Your Ref. : As per Your Challan No. 07092021/02 Dtd. 07/09/2021

Description & Identification of Instruments : Tungsten Carbide Slip Gauge M10, Set Sr. No.3910, Grade – O,
ID NO : NCQC/M - 107, Mikronix Make.

Coefficient of Thermal Expansion : $4.7 \times 10^{-6} / ^\circ \text{C}$

Test Purpose : Measurements of Slip Gauges 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/18.

Major Equipments Used : a) Tungsten Carbide Slip Gauge Set M122/1, GR 'K' Set Sr.No.
1212-in house (CC-2102) calibrated traceable to CMTI B,lore
vide their Certificate No 327, Dtd. 23-11-2019 valid upto 23-11-
2021.

b) Tungsten Carbide Slip Gauge Set M122/1, GR 'K' Set Sr.No.
1213 Calibrated at CMTI B,lore (CC-2153) vide their Certificate
No 17/53/01/352-L/3/090, Dtd. 31-05-2018 valid upto 31-05-
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.

Uncertainty of measurement (AT 95% confidence level with coverage factor k =2) : $\pm 0.07 \mu\text{m}$ for 2.5 mm, 15.0 mm & 25.0 mm.
 $\pm 0.22 \mu\text{m}$ for rest of all sizes.

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

NCQC System Certificate No. 119

MIKRONIX ASSOCIATES

NCQC

Valid up to 22/09/2023

Reviewed

TECHNICAL MANAGER

POST BOX NO. 726, W-10, MIDC INDUSTRIAL AREA, CHIKALTHANA,
AURANGABAD - 431 006 INDIA ☎ (0240) 2484159, 2483004, FAX : (0240) 2484246

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CALIBRATION RESULTS

Nominal Size in mm	Centre Dev in μm
2.5	+0.08
5.1	+0.01
7.7	-0.09
10.3	+0.01
12.9	+0.03
15.0	+0.06
17.6	-0.04
20.2	+0.08
22.8	+0.02
25.0	+0.04

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