




Instrument LAB HOUSE

Calibration Services

LAB : 102, Aditya Complex, Opp. Lisha Complex, Near Mashal Chowk, Airport Road, Nani Daman - 396 210.
Mob.: 098241 97113, 098247 77113 Web : www.ilhindia.com • E-mail : ganesh@ilhindia.com

LAB : A/10, 201, Planet Millinium Aundh Camp, Pune - 411 027 Ph.: (0260) 64102148 Mob.: 09271229184

Calibration Test Certificate

Client's Name & Address : Hingiri Cooling Towers Plot No. 144/1/1/2, Survey No. 162, Athal Industrial Estate, Village Athal, Silvassa - 396 230		Certificate No : ILH/CC/03 Calibration Date : 16.10.2022 Rec. Due Date : 15.10.2023 Performance : Satisfactory		
Nomenclature Make I/D No. Range	Measuring Tape Freemans MT-01 0 to 7500 mm (7.5 MTR)	Least Count : 1 mm (0.001 mtr) Performance : Satisfactory Location : NA		
OBSERVATION.				
All Dimensions are in mm				
SR. NO.	STANDARD SIZE SLIP GAUGE	SET VALUE ON UUC	ERROR (±)	REMARK
1	500.00	0 - 500	0.00	OK
2	500.00	500 - 1000	0.00	OK
3	500.01	1000 - 1500	0.01	OK
4	499.98	1500 - 2000	-0.02	OK
5	500.02	2000 - 3000	0.02	OK
6	500.02	3000 - 5000	0.02	OK
7	500.00	5000 - 7500	0.00	OK
Lengthwise Straightness is within acceptable limit. Parallelism of edges within 0.004 mm Uncertainty of measurement (95 % confidence level) = ± 0.82 Microns. Calibration is carried out as per IS : 2967 - 1983 (LHMC_021)				
The Std equip. used for calibration bears traceability to the National standard as follows.				
Serial Number EQ-299		Certificate Number 2022/12/1351	Validity 14.12.2023	
 Calibrated By		 LIABILITY CLAUSE		 Approved By
a) INSTRUMENT LAB HOUSE shall not be liable for any change in the test/calibration data & performance specifications on account of malfunctioning of standard/instrument/equipment due to any damaged caused to it after the report, in respect of it, has been issued. b) The result reported in this report are valid only at the time of & under the stated condition of the measurement.				

Certificate Of Calibration

Discipline - Mechanical

ULR - CC287520000031720F

DATE OF CALIBRATION	CERTIFICATE NO.	PAGE
14/12/2022	2022/12/1351	1 OF 2

CALIBRATED FOR : INSTRUMENT LAB HOUSE
102, ADITYA COMPLEX, NR.MASHAL CHOWK,
AIR PORT. ROAD, NANI DAMAN.

CUSTOMER REF.NO. : CH.NO. 013 . DATE: 13/12/2022

THROUGH : -----

INWORD NO. : 12/1351

INSTRUMENT UNDER TEST : SLIP GAUGE SET

INSTRUMENT IDENTIFICATION :
MAKE : EQUINOX
RANGE : 0.5 - 100 mm
NO.OF SLIPS : M88/1
GRADE : Grade'O'
MATERIAL : CARBIDE
SR.NO. : EQ-299
ID.NO. : ILH/SG-01

PRE CALIBRATION STATUS : OK

ENVIORNMENTAL CONDITION : TEMPERATURE : 20.0

DOCUMENT REFERRED : SHTC/W/117

REFERANCE STANDARD : IS: 2984 - 2003 (ISO 3650:1998)

MASTER EQUIPMENT USED FOR CALIBRATION :
SLIP GAUGE MIKRONIX MAKE, 'K' GRADE,
GAUGE BLOCK CALIBRATOR KCP MAKE

TRACEABILITY :
Traceable to National standards through NABL lab No.CC-2751
Vide Certificate No.:OM/47/190159, valid up to.: 20/03/2023
Traceable to National standards through NABL lab No.CC-2188
Vide Certl. No.:2022/02/023, valid up to.:07/02/2022

NEXT CALIBRATION DUE ON : 14/12/2023
(SUGGESTED BY CUSTOMER)

UNCERTAINTY OF MESUREMENT :
± 0.12 µm for gauge block including & up to 25 mm
± 0.12 µm for gauge block > up to 25 to 50 mm
± 0.15 µm for gauge block > up to 50 to 75 mm
± 0.17 µm for gauge block > up to 75 to 100 mm

THE UNCERTAINTY STATED IS THE EXPANDED UNCERTAINTY IN MESUREMENT FOR CONFIDENCE LEVEL 95% (K=2.0)

NOTE :- a) CALIBRATION RESULTS ARE ENCLOSED ON PAGE NO.2 ONWARDS.
b) THE CERTIFICATE IS ISSUED SUBJECT TO CONDITIONS STATED OVERLEAF.

Vasant Gangurde
Calibration Engg.)



APPROVED BY

Vasant Gangurde
(C.E.O. / Q.M.)



Certificate Of Calibration

DATE OF CALIBRATION	CERTIFICATE NO.	PAGE
14/12/2022	2022/12/1351	2 OF 2

SLIP GAUGE SET

CALIBRATION RESULTS

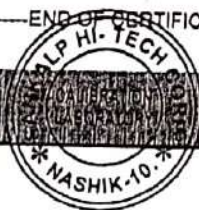
POST CALIBRATION STATUS

Nominal Length (mm)	Dev. Of Central Length (µm)	Nominal Length (mm)	Dev. Of Central Length (µm)	Nominal Length (mm)	Dev. Of Central Length (µm)
1.0005	0.02	1.22	0.09	2	0.05
1.001	-0.01	1.23	0.12	2.5	0.04
1.002	0.03	1.24	0.11	3	0.11
1.003	0.02	1.25	0.04	3.5	0.03
1.004	-0.02	1.26	0.09	4	0.02
1.005	0.08	1.27	0.11	4.5	0.07
1.006	0.10	1.28	0.00	5	0.06
1.007	0.09	1.29	0.08	5.5	0.09
1.008	-0.08	1.3	0.10	6	0.07
1.009	0.06	1.31	0.09	6.5	0.02
1.01	0.01	1.32	0.08	7	0.08
1.02	0.03	1.33	0.09	7.5	0.05
1.03	0.05	1.34	0.03	8	0.09
1.04	0.07	1.35	0.05	8.5	0.11
1.05	-0.04	1.36	0.02	9	0.06
1.06	0.03	1.37	0.07	9.5	0.05
1.07	0.06	1.38	0.08	10	0.03
1.08	0.08	1.39	0.10	20	-0.07
1.09	0.09	1.4	0.12	30	0.04
1.1	0.02	1.41	0.11	40	0.05
1.11	0.04	1.42	0.10	50	0.08
1.12	0.02	1.43	0.05	60	-0.16
1.13	0.02	1.44	0.11	70	0.18
1.14	0.01	1.45	0.09	80	0.16
1.15	0.07	1.46	0.12	90	0.18
1.16	0.06	1.47	0.07	100	0.21
1.17	0.09	1.48	0.00		
1.18	0.06	1.49	0.07		
1.19	0.07	0.5	0.02		
1.2	0.09	1	-0.05		
1.21	0.11	1.5	-0.02		

← END OF CERTIFICATE →

RAISED BY

APPROVED BY



Vasant Gangurde
(Calibration Engg.)

Vasant Gangurde
(C.E.O. / Q.M.)