COMMITTED TO THE CUSTOMER SINCE - 1996

Vaidyanatheshwara Instruments

CC-2473

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
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CERTIFICATE OF CALIBRATION

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Date Of Issue: 02-03-2023

Format No. : VI-FRM-ME-003	**ULR No.:** CC247323100007826F		**Report No: VI/22-23/8113-02**
Customer Name and Address	**M/s. MAG ENGINEERING.** **46 A 3rd Main 2nd Phase Peenya,** **Bangalore – 560 058.**		
Customer Ref. No. and Date	DC NO: SIA/RGP21-22/0351& 28-02-2023	**Received Condition**	Satisfactory
SRF. No.	8113	**Date of Receipt**	01-03-2023

CALIBRATED INSTRUMENT / EQUIPMENT DETAILS

Nomenclature	**External Micrometer**		Make	-------	
Range / Resolution	50-75 mm	0.01mm	Sl. No / ID. No	23808 / M009	
Calibration Done At	VI Mechanical Lab		Temperature / Humidity	20.2°C	50%RH
Calibrated on	02 – 03 – 2023		Calibration due on	01 – 03– 2024	
Discipline	Mechanical (Dimensional)		-		-

MASTER EQUIPMENT TRACEABILITY DETAILS

Sl.No.	Nomenclature	Make & Model	Sl. No./ID No.	Traceable Cert. No.	Traceable to	Validity
1	Tung Carb Gauge Block Set	KCP / M10	10014/VI/ME/008	VI/22-23/INT-ME-125	VI -Bangalore	20 - 07 - 2023
2	Tung Carb Gauge Block Set	KCP / M112	10021/VI/ME/007	VI/22-23/INT-ME-126	VI -Bangalore	21 - 07 - 2023

The master equipments used are traceable to National Standards | **Ref. Doc.** | Based on: IS 2967 and SOP-16-03

CALIBRATION RESULTS

All values are in mm

Sl.No.	Micrometer Reading (A)	Slip gauge size (B)	Error(A-B)	Permissible Error (±)
1	50.000 (Set)	50.00	0.000	0.003
2	52.500	52.50	0.000	0.005
3	55.100	55.10	0.000	0.005
4	57.700	57.70	0.000	0.005
5	60.301	60.30	+0.001	0.005
6	62.901	62.90	+0.001	0.005
7	65.001	65.00	+0.001	0.005
8	67.601	67.60	+0.001	0.005
9	70.202	70.20	+0.002	0.005
10	72.802	72.80	+0.002	0.005
11	75.002	75.00	+0.002	0.005
Parallelism of measuring faces			0.002	0.003

Note :

- Determination of step sizes, parallelism and flatness of measuring faces of micrometer by direct method using gauge blocks.

Conclusion :

- Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor K = 2 : **± 8.0µm**
- The Reported Results are valid only for the conditions of the received Instruments /gauges at the time of and under the stated conditions of the calibration.

Calibrated By
Nisarga A
(Calibration Engineer)

Checked By
P.Santhosh kumar
(Lab In-Charge)

Authorized By
Gangadhar C.K