



COMMITTED TO THE
CUSTOMER SINCE - 1998

Vaidyanatheshwara INSTRUMENTS

CERTIFICATE OF CALIBRATION



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

Date Of Issue: 17-03-2023

Sheet : 1 of 1

Report No: VI/22-23/8525-02

Format No. : VI FRM-ME-007	ULR No : CC247323100010360F	Report No: VI/22-23/8525-02
Customer Name and Address:	M/S. MAG ENGINEERING UNIT A (A Unit of Sandhar Technologies Ltd.) No. 46A, 3rd Main, 2nd Phase, Peenya, Bangalore, Karnataka - 560 058.	
Customer Ref. No. & Date	DC No. : SIA/RGP21-22/0365 & 13-03-2023	Received Condition
SRF. No.	8525	Date of Receipt
		Satisfactory
		14-03-2023

CALIBRATED INSTRUMENT / EQUIPMENT DETAILS

Nomenclature	Digital Vernier Caliper	Make / Model	Mitutoyo / CD-12"C
Range / Resolution	0-300 mm 0.01 mm	SI. No. / ID.No.	1153344 / MS-08
Calibration Done At	VI Mechanical Lab	Temperature / Humidity	20.1-20.4°C 51-53 %RH
Calibrated on	17-03-2023	Calibration due on	16-03-2024
Discipline	Mechanical (Dimensional)		

MASTER EQUIPMENT TRACEABILITY DETAILS

SI.No.	Nomenclature	Make / Model	SI. No.	Traceable Cert. No.	Traceable To	Validity
1	Caliper Checker	KCP /CC-1000	3095	VI/22-23/INT-ME-135	VI-Bangalore	11-05-2023
2	Tung Carb Gauge Block Set	KCP / M112	10021	VI/22-23/INT-ME-126	VI-Bangalore	21-07-2023

The master equipments used are traceable to National Standards Ref. Doc. IS 16491(Part I) 2016 and SOP-16-05

CALIBRATION RESULTS

All values are in mm

Std. Values	External Jaws		Internal Jaws		Depth Bar		Permissible Error(±)
	Actual Values	Error	Actual Values	Error	Actual Values	Error	
0	0.00	0.00	0.00	0.00	0.00	0.00	0.02
20.00	19.99	-0.01	20.01	+0.01	20.00	0.00	0.03
50.00	49.99	-0.01	50.01	+0.01	50.00	0.00	0.03
75.00	74.99	-0.01	75.01	+0.01	75.00	0.00	0.03
100.00	99.98	-0.02	100.01	+0.01	100.00	0.00	0.03
150.00	149.98	-0.02	150.01	+0.01	150.00	0.00	0.03
200.00	199.98	-0.02	200.01	+0.01	200.00	0.00	0.03
250.00	249.98	-0.02	250.02	+0.02	250.00	0.00	0.03
300.00	299.97	-0.03	300.02	+0.02	300.00	0.00	0.04
Parallelism		Permissible Error		Measured Value			
External Jaws		0.010		0.008			
Internal Jaws		0.010		0.007			

Note :

• Determination of various sizes and parallelism of measuring faces (External / Internal measurement) from respective reference faces were measured by direct measurement against slip gauges

Conclusion :

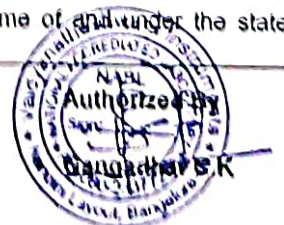
• Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor K = 2 : ± 0.001 mm
• The Reported Results are valid only for the conditions of the received instruments /gauges at the time of and under the stated conditions of the calibration

Calibrated By

Hemant Kumar G
(Calibration Engineer)

Checked By

P. Santhosh Kumar
(Lab In Charge)



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