

Vaidyanatheshwara Instruments

CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096. Ph: 080-23377266, Mob: 9986586789 / 9632221171 / 9964308118 | Email: info@viplgroup.com Web: www.viplgroup.com

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

Date Of Issue: 17-03-2023

							She	eet: 1 of	1		
Format No.: VI-FRM-ME-007			ULR No: CC247323100010361F				Re	Report No: VI/22-23/8525-03			
		M/S. MAG	ENGINEERING	UNIT A	4			-			
Customer Name and Address:		(A Unit of Sandhar Technologies Ltd.)									
		No. 46A, 3rd Main, 2nd Phase, Peenya,									
		Ban	galore, Karnatak	a - 560	058.						
Customer Ref. No. & Date		DC No.: SIA/RGP21-22/0365 & 13-03-2023				Received Condition		Satisfactory			
SRF. No.		8525			Date of Receipt		14-03-2023				
		CAI	IBRATED INSTR	RUMEN	IT / EQUI	PMENT DETAIL	S	1			
Nomenclature					Make		Mitutoyo				
Range / Resolution		0-300 mm	0.02 mm		SI. No. / ID.No.		13131689 / MS-03				
Calibration Done At		VI Mechanical Lab			Temperature / Humidity		20.3-20.6°C 52-54		%RH		
Calibrated on		17-03-2023			Calibration due on 16		16-03-2024				
Discipline		Mechanical (Dimensional)									
-		<u>N</u>	ASTER EQUIPM	ENT T	RACEAB	ILITY DETAILS					
SI.No.	Nomenclature		Make / Model	SI. No.		Traceable Cert. No.		Traceat	le To	Validity	
1	Caliper Checker		KCP /CC-1000	3095		VI/22-23/INT-ME-135		VI-Bangalore		11-05-2023	
2	Tung Carb Gau	ige Block Set	KCP / M112	10	0021	VI/22-23/INT-ME-126		VI-Bang	alore	21-07-2023	
The master e	quipments used	are traceable t	o National Standa	ards	Ref. Doc	. IS 16491(Part) 2016 and	SOP-16	-05		
CALIBRATIC	N RESULTS						All	values a	re in n	nm	
Ctd Values	External	Jaws	Interna	l Jaws		Dep	th Bar		Pe	rmissible	

OALIDIATION (COOLID								
Std. Values	External Jaws		Internal	Jaws	Dept	Permissible		
	Actual Values	Error	Actual Values	Error	Actual Values	Error	Error(±)	
. 0	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
20.00	19.98	-0.02	20.02	+0.02	20.00	0.00	0.03	
50.00	49.98	-0.02	50.02	+0.02	50.00	0.00	0.03	
75.00	74.98	-0.02	75.02	+0.02	75.00	0.00	0.03	
100.00	99.98	-0.02	100.02	+0.02	100.00	0.00	0.03	
150.00	149.98	-0.02	150.02	+0.02	150.00	0.00	0.03	
200.00	199.98	-0.02	200.02	+0.02	200.00	0.00	0.03	
250.00	249.98	-0.02	250.02	+0.02	250.00	0.00	0.03	
300.00	299.96	-0.04	300.02	+0.02	300.00	0.00	0.04	
Parallelism			Permissible Error	1	Measured Value			
External Jaws		0.020			0.007			
Internal Jaws			0.020	0.006				

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

- Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor K = 2: ± 10.2μm
- The Reported Results are valid only for the conditions of the received Instruments /gauges at the time of anythingler the stated conditions of the calibration

Calibrated By

Hemanth Kumara G (Calibration Engineer) Checked By

P,Santhon Kumar (Lab In Charge)