

## 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

Sheet: 1 OF 1

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Format N	lo: VI-FRM-I	ME-022		ULR No. : CC247323100010366F					Report No.: VI/22-23/8525-08				
Customer Name and Address													
				(A Unit of Sandhar Technologies Ltd.)									
			No. 4	No. 46A, 3rd Main, 2nd Phase, Peenya,									
			Bang	alore, K	(arnataka -	560 058.							
Customer	Ref No & I	Date	DC No.: SIA/	DC No.: SIA/RGP21-22/0365 & 13-03				Received (	lition	Satisfactor			
SRF No			8525	8525				Date Of Receipt			14-03-2023		
			CALIBRA	ATED IN	ISTRUMEN'	T / EQUIP	MENT D	ETAILS			1		
Nomenclature Radius Ga				auges (30 Leaves) Make			Mitutoyo			ıtovo			
		15.5 to		Customer Instrument Reference No.			ice No.	M104					
Calibration Done At		VI Mec	VI Mechanical Lab			Temperature / Humidity			20.0-20.3°C 51-		51-53 %R		
Calibrated on		17 – 03	17 - 03 - 2023			Calibration due on				16 - 03 - 2024			
Discipline		Mechar	nical (Dimension	al)									
			MAST	ER EQL	JIPMENT TE	RACEABIL	ITY DE	TAILS					
SI. No.	Nomenc	lature	Make & Mo	Make & Model		SI. No. / ID. No. Trac		eable Cert. No.   Traceable To		Validity			
1	Profile Pr	ojector	OMEGA & VL360		1035 / VI/PP/001		VV22	22-23/INT-016		VI-Bangalore	17-10-202		
The Master	r Equipment	t's used a	re traceable to N	ational S	Standards	Ref.	Doc.	IS: 5273-19	969 (	Reaffirmed 1995)	& SOP-18		
CAI	LIBRATION	OF RAD	IUS GAUGES:				,			(All values are i			
SI, No. Nomina		laira	Calibrate		ed values		N- 1 1		Calibrated values				
		I SIZE	EXTERNAL	INT	TERNAL	SI. No.	Nominal size			EXTERNAL	INTERNAL		
1	1 15.5		15.464	1	15.528		19.5			19.447	19.547		
2	16.0		15,959	1	15.937	10		20.0		19.962	20.071		
3			16.449	1	6.561	11		21.0		20.937	21.054		
4	17.0		16.937	1	7.032	12		22.0		21.954	22.058		
5			17,471	-	7.537	13		23.0		22.953	23.047		
6	18.0		17.943	<del></del>	7.964	14		24.0		23.964	24.065		
7	18.5		18.425		8.564	15	:	25.0		24.939	25.053		
8	19.0		18.948		9.045	-		_		-	-		
	Allowable		or Radius Gauge	es As P	er IS: 5273-	1969	(All	Values in m					
	NOMINAL SIZE							PERMISSIBLE ERROR					

Make

. Determination of Checking Arc of Circle of Radius Gauge by direct method using Profile Projector.

## Conclusion

Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor K = 2: ± 6.0μm

0.6 upto 0.8 mm

1 upto 6 mm

7 upto 25 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
Humania
Hemanth Kumara G
(Calibration Engineer)

Checked By

P Santhosi Rumar (Lab-In-Charge) Authorized & castory

±0.050

±0.063

±0.100