

TRUE COPY

CALIBRATION CERTIFICATE

F-GOP-015-001- Issue 02-Rev 02

Calibration Certificate of	Certificate No.	Date of Receipt	Date of Calibration	Sugg. date of next Calibration
Vision Measuring System	SCL/N/VMM/25/01/17	20.01.2025	20.01.2025	19.01.2026
ULR No.:	CC387425000000017F		Issue date	20.01.2025
User's Name & Address:	NCQC Laboratory LLP 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Isckon-Bopal Road, Ambli,Ahmedabad – 380 058			

Parameter/Range:-

Type of machine	Vision Measuring System			Model No.	SVI-IMG-3D
Make	SIPCON	Accuracy	3+L/200 μ m	ID No.	----
Parameter/Range	X-Axis	Y-Axis	Angle	Location	ON SITE
Range-upto	0-200 mm	0-200 mm	$\pm 0 - 180^\circ$	Inst. Sr. No.	6550
Least Count	0.0001 mm	0.0001 mm	1sec	Temperature	(20 $\pm$ 1) $^\circ$ C
Reference standard	JIS B 7184	Relative Humidity	(50 $\pm$ 10) %		
Ref. doc. for calibration	SOP-GOP-WIE-01	Visual Inspection	Ok		

Reference Standard Used for Calibration:

Sr.No.	Nomenclature	Id. / Sr. No.	Certificate No.	Traceability	Due Date of Calibration
1	GLASS SCALE (0-50MM)	SCL-EPQ-009	TI/G/GS/001/2023	NABL LAB	2-7-2025
2	GLASS SCALE (0-600MM)	SCL-EPQ-007	TI/G/GS/002/2023	NABL LAB	2-7-2025
3	GLASS SCALE (0-300MM)	SCL-EPQ-008	TI/G/GS/003/2023	NABL LAB	2-7-2025
4	GLASS ANGLE GRATICULE (0-180 $^\circ$)	SCL-EPQ-010	TI/G/CGS/001/2023	NABL LAB	2-7-2025

Uncertainty Of Measurement : Linear ± 0.005 mm upto 300mm , Angular ($\pm 3'$)

Note:1. The reports expanded uncertainty is stated as the standard uncertainty in measurement multiplied by the coverage factor (K=2), which for a normal distribution corresponds a coverage probability of approximately 95%.

2. This certificate is refers only to the particular item for calibration.

3. This certificate shall not be reproduced except in full without permission of head of laboratory.

4. The values reported in the certificate are the average values of 3 measurements.

5. The Results are traceble to national standard through unboken chain of comparisons.

NCQC System Certificate No. 492

NCQC LABORATORY LLP
Valid up to 19/01/2026
Reviewed

Calibrated by (Cal. Engineer)
Ramnath



Authorised Signatory
Pawan Wadhawan

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Calibration Result

Sr.No.	Standard Reading X – Axis (mm)	Mean Error X – Axis (mm)	Standard Reading Y- Axis (mm)	Mean Error Y- Axis (mm)
1	0.0000	0.0000	0.0000	0.0000
1	10.0000	0.0009	10.0000	-0.0012
2	20.0000	0.0012	20.0000	0.0015
3	30.0000	0.0013	30.0000	0.0023
4	40.0000	-0.0010	40.0000	0.0021
5	50.0000	0.0016	50.0000	0.0014
6	60.0000	0.0018	60.0000	0.0017
7	70.0000	-0.0008	70.0000	0.0011
8	80.0000	0.0007	80.0000	-0.0013
9	90.0000	-0.0012	90.0000	0.0019
10	100.0000	0.0015	100.0000	0.0016
11	110.0000	0.0014	110.0000	0.0024
12	120.0000	0.0013	120.0000	0.0018
13	130.0000	0.0019	130.0000	-0.0015
14	140.0000	0.0021	140.0000	0.0013
15	150.0000	0.0027	150.0000	0.0012
16	160.0000	0.0019	160.0000	0.0022
17	170.0000	-0.0011	170.0000	0.0019
18	180.0000	-0.0016	180.0000	0.0012
19	190.0000	0.0013	190.0000	0.0023
20	200.0000	-0.0012	200.0000	0.0014

Angular Report

Anti clockwise direction			Clockwise direction		
Sr.No	Nominal Reading (Degree)	Actual Reading (Degree)	Sr.No	Nominal Reading (Degree)	Actual Reading (Degree)
1	0°	0°00'00"	1	0°	0°00'00"
2	5°	5°00'34"	2	5°	5°00'23"
3	10°	10°00'37"	3	10°	10°00'34"
4	20°	20°00'36"	4	20°	20°00'28"
5	30°	30°00'13"	5	30°	30°00'31"
6	40°	40°00'17"	6	40°	40°00'27"
7	50°	50°00'25"	7	50°	50°00'38"
8	60°	60°00'19"	8	60°	60°00'17"
9	90°	90°00'15"	9	90°	90°00'24"
10	120°	120°00'32"	10	120°	120°00'25"
11	180°	180°00'35"	11	180°	180°00'39"

Calibrated By (Cal. Engineer)
Ram Nath
Ramnath



Authorised Signatory
Pawan Wadhawan
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