

Mitutoyo South Asia Pvt. Ltd.

C-122, Okhla Industrial Area, Phase-I, New Delhi-110 020, India Tel.: +91-11-40578485/86

E-mail: delhi@mitutoyoindia.com Website: www.mitutoyoindia.com CIN No. U29299DL1996PTC081425

	CALIBRATION CERTIFICATE			MSA/24/CV/5015		
]	Date of Calibration	17-04-202	4	Page 1		No. of Pages
1	Calibrated for Custom Receipt No. & Date: Date of Issue: 18-	er 04-2024	:	SSB Engineers Pv Plot No133, MIA Rajasthan 30103	A, Alwar.	
2	Description and Identification of Equip		\$	Contracer (CV-3 Range L.C. (For X-Axis) L.C. (For Z-Axis) Code No. Sl. No. Id No. Make	: 10 : 0. : 0. : 21 : 40	00 x 50 mm 05 μm 02 μm 18-432E 00030901
3	Calibration Performed a	t	1	Standard Room		
4	Environmental Condit	ion	\$	Temperature: (20± Relative Humidity		3)(0/
5	(i) Equipment / Maste	r Used	:	i) Optical Flat NPL India Vide Certifica ii) X-Axis Inspect MSACL Vide Certificate iii) Gauge Block S JCSS Japan Vide Certifi	tion Mass vion Mass violula -	00743/D1.02/C-096 ster CC252223000003861F
	(ii) Associated Uncerta	ainty	7	i) ±30nm ii) ±(0.2+0.9L)μm iii) ±0.03μm		L is in meter
6	Traceability of Standar	rd (s)	3	The standard used national standards,	through	oration is traceable to unbroken chain of or NABL accredited lab.
7 Basis / Principle / Method of Calibration : As per MSA-QC. 8 Results of Calibration : As per enclosed S. 9 Statement of Conformity / Decision Rule : Meet The Require Uncertainty of Measurements = ± 0.11 μm (for Straight			P-015 heet (s) ements			
	Uncertainty	of Measurement	$s = \pm 2.2$	2 μm (for X-Axis)		
		is at coverage facto	or k=2.5		tness of	Drive Unit, X-Axis & Z-ormal distribution.
	Calibrated By			cked By		Issued By
	SHUBHAM SHU Calibration Engin			IDRA SINGH	SH	AILENDRA SINGH

Results presented in this report relate to the item specified. This report shall not be reproduced except in full without written approval of M/s. Mitutoyo South Asia Pvt. Ltd.

Report reported are valid at the time of and under the stated condition of measurements.

Calibrated at site



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CALIBRATION RESULTS OF CONTRACER

Straight	ness of Drive Unit	
At 100mm	0.0007	

X-Axis Measuring Accuracy			
Nominal Value of X-Axis Inspection Standard (mm)	Observed Value of UUC (mm)		
25.0045	25.0052		
50.0061	50.0068		
75.0054	75.0059		
100.0094	100.0096		

Z-Axis Measuring Accuracy		
Nominal Value of Gauge Block (mm)	Observed Value of UUC (mm)	
25.00	24.9988	
20.00	19.9981	
10.00	10.0004	
-10.00	-9.9998	
-20.00	-20.0006	
-25.00	-24.9989	

-- End of Certificate--

Calibrated Bpl	Checked By	Issued By	
SHUBHAM SHUKLA Calibration Engineer	SHAILENDRA SINGH	SHAILENDRA SINGH	