

मेट्रोलॉजी लेबोरेटरी METROLOGY LABORATORY



CALIBRATION CERTIFICATE

REPORT NUMBER: 17/53/01/352-L/3/204

DATE: 07-11-2017

SHEET: 1 of 3

Name & Address of the Client

: M/s. I R Technology Services Pvt. Ltd.,

208 Swiss Complex, 33 RaceCourse Road,

Bangalore-560 001.

Description of the Item

: Glass Scale (Stage Micrometer),

Range: 0 - 1 mm, 1 Division: 0.01 mm,

Model:OB-MM, Make:Olympus.

Identification & Sl. No.

: Nil.

1. Client's Reference

Letter Dated:02-11-2017.

Date & Place of Calibration

02-11-2017, PML.

3. Equipment Used For Calibration & Traceability:

Ultra

Precision Coordinate Measuring

Machine:

(Make: Zeiss-Germany, Model-F25, Sl. No.:136061, Idfn. No. CMM-C-02) Calibrated in house Vide Certificate No.: ML/CMM-02/11.16/008 Dated 29-11-2016 valid up to November - 2017 using master traceable NPL vide certificate India No.:

15120975/D5.02/C-016 dated 18.04.2016.

4. Reference Document

: W. P. No.: QM/ML/WP/001-8.027.

5. Temperature During Calibration : 20.2° to 20.4° C

6. Uncertainty of Measurement :

 \pm 0.8 μ m.

(At 95 % Confidence Level) 7. Due date for next Calibration

Nov -2018 (As Requested by the Customer)

8. Results of Calibration

Refer sheets 2 & 3.

9. The reported results are valid only for the condition of the received Glass Scale at the time of and under the stated conditions of Calibration.

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CALIBRATED BY

CHECKED BY

SIDDARAJU, K.G.

MALLAPPA H.K. Sr. Tech. Officer







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CALIBRATION CERTIFICATE

REPORT NUMBER: 17/53/01/352-L/3/204

DATE: 07-11-2017 SHEET: 2 of 3

Glass Scale (Stage Micrometer),

Range: 0 - 1 mm, 1 Division: 0.01 mm,

Model: OB-MM, Make: Olympus.

Calibration of Glass Scale:

(All values are in mm)

SI.No.	Glass Scale Reading	Calibrated Values	Error
1.	0.00	0.0000 (Set)	0.0000
2.	0.01	0.0105	-0.0005
3.	0.02	0.0203	-0.0003
4.	0.03	0.0303	-0.0003
5.	0.04	0.0404	-0.0004
6.	0.05	0.0504	-0.0004
7.	0.06	0.0604	-0.0004
8.	0.07	0.0704	-0.0004
9.	0.08	0.0805	-0.0005
10.	0.09	0.0907	-0.0007
11.	0.10	0.1006	-0.0006
12.	0.15	0.1502	-0.0002
13.	0.20	0.2004	-0.0004
14.	0.25	0.2507	-0.0007
15.	0.30	0.3003	-0.0003
16.	0.35	0.3501	-0.0001

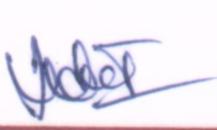
Contd....

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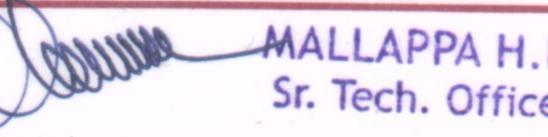
CALIBRATED BY

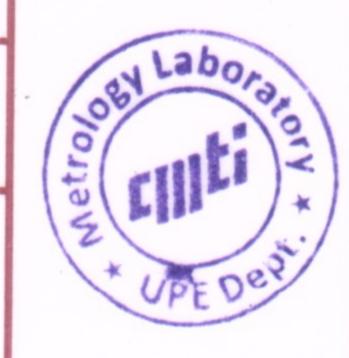
CHECKED BY

MALLAPPA H.K. Sr. Tech. Officer



SIDDARAJU. K.G.





सेंट्रल मैन्यूफेक्चरिंग टेक्नोलॉजि इंस्टिटयूट CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

TUMKUR ROAD, BENGALURU - 560 022, INDIA



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CALIBRATION CERTIFICATE

REPORT NUMBER: 17/53/01/352-L/3/204

SHEET: 3 of 3 DATE: 07-11-2017

Calibration of Glass Scale:

(All values are in mm)

SI.No.	Glass Scale Reading	Calibrated Values	Error
17.	0.40	0.4003	-0.0003
18.	0.45	0.4505	-0.0005
19.	0.50	0.5006	-0.0006
20.	0.60	0.6002	-0.0002
21.	0.70	0.7002	-0.0002
22.	0.80	0.8001	-0.0001
23.	0.90	0.9003	-0.0003
24.	1.00	1.0001	-0.0001

Method of Calibration:

Calibration was carried out by using Ultra precision co-ordinate measuring machine.

Note:

- Error = Glass scale Reading-Calibrated Value.
- 2. Only parameters required by the customer have been measured.

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