



# MICRON MEASUREMENT SERVICE (OPC) PVT.LTD.

No.21/A, Ground Floor, Defence Colony 1st Main, Hesaraghatta Main Road,  
Behind Bank of India, Bagalagunte, Bengaluru, Karnataka, 560073  
Mobile: +91-9538351097, +91-9739787669, +91-9008300080  
Office Landline +08031222408  
E-mail: micron.ms2020@gmail.com



## CALIBRATION CERTIFICATE

ULR No :- CC387325000018332F Certificate No :- MMS/25-26/0994/M01 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINEERING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : External Micrometer (Analog )

Range : 0 - 25 mm  
Lc. : 0.01 mm  
Id.No. : ---  
Sl.No. : W-6293  
Make : BAKER

### MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION

(The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID.No./SL.No.	Certificate No	Valid Upto
Micrometer Slip Gauge Set	Mitutoyo	MMS/M/SG/07	TSC/24-25/16774-7	25/12/2026
Optical Flat	Mitutoyo	MMS/M/OF/05	TSC/24-25/21187-1	03/03/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-02 Based on IS:2967

ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 48 %

UNCERTAINTY OF MEASUREMENT :  $\pm 3.2 \mu\text{m}$

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G. [Signature]  
(Calibration Engineer)

Authorised by [Signature]  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43

Note: The Calibration results reported in this certificate are valid at the time of & under the stated conditions of measurements. The reporting results relate only to the times calibrated and the report should not be reproduced either in full or in part without our permission in writing. the stated item is accepted for calibration against its physical condition found satisfactory. Next Due Date, Item Code No., Gauge Acceptance Status and End User Address is (if any) mentioned based on customer's request/reference evident only



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E-mail: micron.ms2020@gmail.com



## CALIBRATION CERTIFICATE

ULR No :- CC387325000018333F Certificate No :- MMS/25-26/0994/M02 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : External Micrometer (Digital)

Range : 25 - 50 mm  
Lc. : 0.001 mm  
Id.No. : ---  
Sl.No. : 74016618  
Make : Mitutoyo

MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)				
Nomenclature	Make	ID.No./SL.No.	Certificate No	Valid Upto
Micrometer Slip Gauge Set	Mitutoyo	MMS/M/SG/07	TSC/24-25/16774-7	25/12/2026
Gauge Block Set Grade'0'	Mitutoyo	MMS/M/SG/12	B/01/240051	25/12/2026
Long Gauge Block Grade'0'	Mikronix	MMS/M/LG/22	OM/438240047	05/03/2027
Optical Flat	Mitutoyo	MMS/M/OF/05	TSC/24-25/21187-1	03/03/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-02 Based on IS:2967

ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 48 %

UNCERTAINTY OF MEASUREMENT : ± 1.6 µm

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N. (Calibration Engineer)

Authorised by  
Madhusudhana B.B. (Technical Manager)

MMS-FF-43

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## CALIBRATION CERTIFICATE

ULR No :- CC387325000018334F Certificate No :- MMS/25-26/0994/M03 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : External Micrometer (Analog)

Range : 50 - 75 mm

Lc. : 0.01 mm

Id.No. : ---

Sl.No. : 66073889

Make : Mitutoyo

### MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION

(The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID.No./SL.No.	Certificate No	Valid Upto
Micrometer Slip Gauge Set	Mitutoyo	MMS/M/SG/07	TSC/24-25/16774-7	25/12/2026
Gauge Block Set Grade'0'	Mitutoyo	MMS/M/SG/12	B/01/240051	25/12/2026
Long Gauge Block Grade'0'	Mikronix	MMS/M/LG/22	OM/438240047	05/03/2027
Optical Flat	Mitutoyo	MMS/M/OF/05	TSC/24-25/21187-1	03/03/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-02 Based on IS:2967

ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 48 %

UNCERTAINTY OF MEASUREMENT :  $\pm 3.2 \mu\text{m}$

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N  
(Calibration Engineer)

Authorised by  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43

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**CALIBRATION CERTIFICATE**

ULR No :- CC387325000018335F Certificate No :- MMS/25-26/0994/M04 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : External Micrometer (Analog)

Range : 75 - 100 mm

Lc. : 0.01 mm

Id.No. : ---

Sl.No. : 07095847

Make : Mitutoyo

**MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION**

(The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID.No./SL.No.	Certificate No	Valid Upto
Micrometer Slip Gauge Set	Mitutoyo	MMS/M/SG/07	TSC/24-25/16774-7	25/12/2026
Gauge Block Set Grade'0'	Mitutoyo	MMS/M/SG/12	B/01/240051	25/12/2026
Long Gauge Block Grade'0'	Mikronix	MMS/M/LG/22	OM/438240047	05/03/2027
Optical Flat	Mitutoyo	MMS/M/OF/05	TSC/24-25/21187-1	03/03/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-02 Based on IS:2967

ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 48 %

UNCERTAINTY OF MEASUREMENT :  $\pm 3.2 \mu\text{m}$

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

**NOTE:-** Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N.  
(Calibration Engineer)

Authorised by  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43

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## CALIBRATION CERTIFICATE

ULR No :- CC387325000018336F Certificate No :- MMS/25-26/0994/M05 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : Digital Caliper

Range : 0-300 mm

Lc. : 0.01 mm

Id.No. : AEI-DGVC-01

Sl.No. : ---

Make : Mitutoyo

MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)				
Nomenclature	Make	ID.No./SL.No.	Certificate No	Valid Upto
Caliper Checker	KCP	MMS/M/CC/03	TSC/24-25/16774-6	25/12/2026
Gauge Block Set Grade'0'	Mitutoyo	MMS/M/SG/12	B/01/240051	25/12/2026
Digital External Micrometer	Mitutoyo	MMS/M/DM/13	MMS/24-25/1223/M01	18/12/2025

CALIBRATION PROCEDURE NO. : MMS-SCP-01 Based on IS:16491 (Part1)

ENVIRONMENTAL CONDITIONS : Temperature : 20.2 °C Humidity 48 %

UNCERTAINTY OF MEASUREMENT : ±10.6 µm

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G. [Signature]  
(Calibration Engineer)



Authorised by [Signature]  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43



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## CALIBRATION CERTIFICATE

ULR No :- CC387325000018337F Certificate No :- MMS/25-26/0994/M06 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINEERING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025  
DATE OF RECEIPT : 13/08/2025  
CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : Bore Gauge  
Range : 10-18.5 mm  
Id.No. : ---  
Sl.No. : 006076  
Make : Mitutoyo

### MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID. No. / SL. No.	Certificate No.	Valid Upto
Length Measuring Machine	Octagon	MMS/M/ULM/01	OM/46/230033	02/12/2025
Digital Plunger Dial Gauge	Mitutoyo	MMS/M/PD/15	MMS/24-25/1258/M01	19/12/2025

CALIBRATION PROCEDURE NO. : MMS-SCP-06 Based on: JIS B : 7515  
ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 50 %  
UNCERTAINTY OF MEASUREMENT :  $\pm 3.1 \mu\text{m}$   
The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N. (Calibration Engineer)



Authorised by  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43

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## CALIBRATION CERTIFICATE

ULR No :- CC387325000018338F | Certificate No :- MMS/25-26/0994/M07 | Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 | Next Calibration Due Date :- 12/08/2026 | Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025  
DATE OF RECEIPT : 13/08/2025  
CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : Bore Gauge  
Range : 18-35 mm  
Id.No. : ---  
Sl.No. : 9607527  
Make : Mitutoyo

### MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID. No. / SL. No.	Certificate No.	Valid Upto
Length Measuring Machine	Octagon	MMS/M/ULM/01	OM/46/230033	02/12/2025
Digital Plunger Dial Gauge	Mitutoyo	MMS/M/PD/15	MMS/24-25/1258/M01	19/12/2025

CALIBRATION PROCEDURE NO. : MMS-SCP-06 Based on: JIS B : 7515  
ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 50 %  
UNCERTAINTY OF MEASUREMENT :  $\pm 3.1 \mu\text{m}$   
The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N. (Calibration Engineer)

Authorised by  
Madhusudhana B.B.  
(Technical Manager)

MMS-FF-43

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## CALIBRATION CERTIFICATE

ULR No :- CC387325000018339F	Certificate No :- MMS/25-26/0994/M08	Date of Issue :- 14/08/2025
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Date of Calibration :- 13/08/2025	Next Calibration Due Date :- 12/08/2026	Page 1 of 2
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NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025  
DATE OF RECEIPT : 13/08/2025  
CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : **Bore Gauge**  
Range : 35-60 mm  
Id.No. : ---  
Sl.No. : 6396649  
Make : Mitutoyo

### MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID. No. / SL. No.	Certificate No.	Valid Upto
Length Measuring Machine	Octagon	MMS/M/ULM/01	OM/46/230033	02/12/2025
Digital Plunger Dial Gauge	Mitutoyo	MMS/M/PD/15	MMS/24-25/1258/M01	19/12/2025

CALIBRATION PROCEDURE NO. : MMS-SCP-06 Based on: JIS B : 7515  
ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 50 %  
UNCERTAINTY OF MEASUREMENT :  $\pm 3.1 \mu\text{m}$   
The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N. (Calibration Engineer)



Authorised by  
Madhusudhana B.B  
(Technical Manager)

**MICRON MEASUREMENT SERVICE (OPC) PVT.LTD.**

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CC-3873

**CALIBRATION CERTIFICATE**

ULR No :- CC387325000018340F Certificate No :- MMS/25-26/0994/M09 Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 Next Calibration Due Date :- 12/08/2026 Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINEERING INDUSTRIES  
Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : Bore Gauge

Range : 50-150 mm

Id.No. : ---

Sl.No. : 7445907

Make : Mitutoyo

**MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION**

(The Calibration Equipments Used Are Traceable To National / International Standards)

Nomenclature	Make	ID. No. / SL. No.	Certificate No.	Valid Upto
Length Measuring Machine	Octagon	MMS/M/ULM/01	OM/46/230033	02/12/2025
Digital Plunger Dial Gauge	Mitutoyo	MMS/M/PD/15	MMS/24-25/1258/M01	19/12/2025

CALIBRATION PROCEDURE NO. : MMS-SCP-06 Based on: JIS B : 7515

ENVIRONMENTAL CONDITIONS : Temperature : 20.4 °C Humidity 50 %

UNCERTAINTY OF MEASUREMENT :  $\pm 3.1 \mu\text{m}$

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$  correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
Dhananjay G.N. (Calibration Engineer)

Authorised by  
Madhusudhana B.B  
(Technical Manager)

MMS-FF-43

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**CALIBRATION CERTIFICATE**

ULR No :- CC387325000018341F | Certificate No :- MMS/25-26/0994/M10 | Date of Issue :- 14/08/2025

Date of Calibration :- 13/08/2025 | Next Calibration Due Date :- 12/08/2026 | Page 1 of 2

NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINERRING INDUSTRIES  
 Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025  
 DATE OF RECEIPT : 13/08/2025  
 CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : **Plunger Dial Gauge**  
 Range : 0 - 1 mm  
 L.C. : 0.001 mm  
 Id. No. : ---  
 Sl. No. : WZA441  
 Make : Mitutoyo

MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)				
Nomenclature	Make	ID. No. / SL. No.	Certificate No	Valid Upto
Digital Dial Calibration Tester With Probe	Accretech	MMS/M/DCT/34	TSC/25-26/2211-1	22/04/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-03 Based on: IS:2092  
 ENVIRONMENTAL CONDITIONS : Temperature : 20.2 °C Humidity 48 %  
 UNCERTAINTY OF MEASUREMENT : ± 1.2 µm  
 The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95.45%

**NOTE:-** Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
 Dhananjay G. [Signature]  
 (Calibration Engineer)

Authorised by [Signature]  
 Madhusudhana B.B  
 (Technical Manager)

MMS-FF-43

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**CALIBRATION CERTIFICATE**

ULR No :- CC387325000018342F	Certificate No :- MMS/25-26/0994/M11	Date of Issue :- 14/08/2025
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Date of Calibration :- 13/08/2025	Next Calibration Due Date :- 12/08/2026	Page 1 of 2
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NAME & ADDRESS OF CUSTOMER : M/s. ARKESHWARA ENGINEERING INDUSTRIES  
 Doddanna Indil Area, Hegganahalli Bangalore-560091.

CUSTOMER REF.NO. : Received Through S.V.P.I Date 12/08/2025

DATE OF RECEIPT : 13/08/2025

CONDITION OF ITEM : Satisfactory LOCATION : MMS Lab

DESCRIPTION OF THE INSTRUMENT : **Plunger Dial Gauge**  
 Range : 0-10 mm  
 Lc. : 0.01mm  
 Id.No. : ---  
 Sl.No. : XEQ147  
 Make : Mitutoyo

MAJOR MASTER EQUIPMENTS USED FOR CALIBRATION (The Calibration Equipments Used Are Traceable To National / International Standards)				
Nomenclature	Make	ID. No. / SL. No.	Certificate No	Valid Upto
Digital Dial Calibration Tester With Probe	Accretech	MMS/M/DCT/34	TSC/25-26/2211-1	22/04/2027

CALIBRATION PROCEDURE NO. : MMS-SCP-03 Based on: IS:2092

ENVIRONMENTAL CONDITIONS : Temperature : 20.2 °C Humidity 50 %

UNCERTAINTY OF MEASUREMENT :  $\pm 3.2 \mu\text{m}$

The uncertainty Stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95.45%

NOTE:- Calibration Results are enclosed on Page No.2 onwards

Calibrated by  
 Dhananjay G. [Signature]  
 (Calibration Engineer)

Authorised by [Signature]  
 Madhusudhana B.B  
 (Technical Manager)

MMS-RF-24

Note: The Calibration results reported in this certificate are valid at the time of & under the stated conditions of measurements. The reporting results relate only to the times calibrated and the report should not be reproduced either in full or in part without our permission in writing. the stated item is accepted for calibration against its physical condition found satisfactory Next Due Date, Item Code No., Gauge Acceptance Status and End User Address is (if any) based on customer's request/reference evident only