CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM25CC00490 CC228625000000490F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CUSW50/SSB/LD-22	**RECEIPT DATE**	:	25/01/2025
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	27/01/2025
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	26/01/2026
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	29/01/2025
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	0.1	-0.2
2	0.020	0.2	0.0
3	0.030	-0.1	0.1
4	0.050	0.3	-0.2
5	0.060	-0.5	0.4
6	0.070	-0.7	-0.5
7	0.080	-1.1	-0.9
8	0.100	-1.4	-0.8
9	0.120	-1.5	-1.1
10	0.140	-1.6	-1.3

REPEATABILITY **1.3 µm**
HYSTERSIS **0.9 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

NOTE :-
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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM25CC00489 CC228625000000489F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	SB/LD/14A	**RECEIPT DATE**	:	25/01/2025
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	27/01/2025
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	26/01/2026
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	29/01/2025
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.1	0.0
2	0.20	-0.2	-0.1
3	0.30	-0.3	-0.2
4	0.40	-0.6	-0.3
5	0.50	0.8	0.6
6	0.60	1.3	1.0
7	0.70	1.9	1.4
8	0.80	2.3	1.8

REPEATABILITY **1.0 µm**
HYSTERSIS **0.8 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM25CC00488 CC228625000000488F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CXGD75/SSB/LD-21	**RECEIPT DATE**	:	25/01/2025
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	27/01/2025
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	26/01/2026
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	29/01/2025
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.0	0.0
2	0.20	-0.1	-0.1
3	0.30	-0.2	-0.2
4	0.40	-0.5	-0.3
5	0.50	0.7	0.7
6	0.60	1.1	1.1
7	0.70	1.6	1.4
8	0.80	2.0	1.9

REPEATABILITY	**1.2 µm**
HYSTERSIS	**0.9 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07324 CC228624000007324F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CLAG30/SSB/LD-18	**RECEIPT DATE**	:	13/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	14/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	13/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	0.0	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.6	0.4
7	0.080	0.9	0.7
8	0.100	1.1	0.6
9	0.120	1.1	0.8
10	0.140	1.3	1.1

REPEATABILITY **1.3 µm**
HYSTERSIS **0.9 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07260 CC228624000007260F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CLAG28/SSB/LD-17	**RECEIPT DATE**	:	12/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	13/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	12/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	-0.1	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.7	0.5
7	0.080	1.0	0.8
8	0.100	1.3	0.7
9	0.120	1.4	1.0
10	0.140	1.5	1.3

REPEATABILITY **1.0 µm**
HYSTERSIS **0.7 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07429 CC228624000007429F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CHMV13/SSB/LD-16	**RECEIPT DATE**	:	17/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	18/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	17/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	20/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	-0.1	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.7	0.5
7	0.080	1.0	0.8
8	0.100	1.2	0.7
9	0.120	1.3	1.0
10	0.140	1.4	1.2

REPEATABILITY **1.1 µm**
HYSTERSIS **0.8 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07428 CC228624000007428F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CQDL69/SSB/LD-15	**RECEIPT DATE**	:	17/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	18/12/2024
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	17/12/2025
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	20/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.0	0.0
2	0.20	0.1	0.1
3	0.30	0.2	0.2
4	0.40	0.5	0.3
5	0.50	-0.7	-0.7
6	0.60	-1.1	-1.1
7	0.70	-1.6	-1.5
8	0.80	-2.0	-1.9

REPEATABILITY	**1.3 µm**
HYSTERSIS	**1.1 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07323 CC228624000007323F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	CQDL5/SSB/LD-14	**RECEIPT DATE**	:	13/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	14/12/2024
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	13/12/2025
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.1	-0.1
2	0.20	-0.2	-0.2
3	0.30	-0.3	-0.2
4	0.40	-0.6	-0.3
5	0.50	0.9	0.8
6	0.60	1.3	1.2
7	0.70	1.9	1.7
8	0.80	2.3	2.1

REPEATABILITY **0.9 µm**
HYSTERSIS **0.7 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07322 CC228624000007322F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	BMJL88/SSB/LD-13	**RECEIPT DATE**	:	13/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	14/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	13/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	-0.1	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.7	0.5
7	0.080	1.0	0.8
8	0.100	1.2	0.7
9	0.120	1.3	1.0
10	0.140	1.5	1.2

REPEATABILITY **1.1 µm**
HYSTERSIS **0.8 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07258 CC228624000007258F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	BAUW28/SSB/LD-10	**RECEIPT DATE**	:	12/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	13/12/2024
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	12/12/2025
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	STANDARD ROOM	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.1	-0.1
2	0.20	-0.2	-0.2
3	0.30	-0.2	-0.2
4	0.40	-0.5	-0.4
5	0.50	0.8	0.9
6	0.60	1.2	1.4
7	0.70	1.8	1.9
8	0.80	2.2	2.5

REPEATABILITY **1.2 µm**
HYSTERSIS **1.1 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

NOTE :-
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3 Calibration done by the laboratory is meant for scientific and industrial purpose only.

CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07257 CC228624000007257F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	ABDR43/SSB/LD-09	**RECEIPT DATE**	:	12/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	13/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	12/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	CNC SHOP FLOOR	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	-0.1	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.6	0.5
7	0.080	0.9	0.7
8	0.100	1.1	0.6
9	0.120	1.2	0.9
10	0.140	1.4	1.1

REPEATABILITY **1.0 µm**
HYSTERSIS **0.7 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07321 CC228624000007321F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	ABDQ87/SSB/LD-08	**RECEIPT DATE**	:	13/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	14/12/2024
RANGE / SIZE	:	0 - 0.14 mm	**SUGG. DUE DATE**	:	13/12/2025
LEAST COUNT	:	0.001 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	CNC SHOP FLOOR	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.010	-0.1	0.1
2	0.020	-0.1	0.0
3	0.030	0.1	-0.1
4	0.050	-0.2	0.2
5	0.060	0.4	-0.3
6	0.070	0.7	0.5
7	0.080	1.0	0.8
8	0.100	1.2	0.7
9	0.120	1.3	1.0
10	0.140	1.5	1.2

REPEATABILITY **1.1 µm**
HYSTERSIS **0.8 µm**

UNCERTAINTY OF MEASUREMENT : ± 1 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07320 CC228624000007320F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	ZGH173/SSB/LD-07	**RECEIPT DATE**	:	13/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	14/12/2024
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	13/12/2025
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	16/12/2024
LOCATION	:	CNC SHOP FLOOR	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.1	-0.1
2	0.20	-0.2	-0.2
3	0.30	-0.3	-0.2
4	0.40	-0.6	-0.3
5	0.50	1.0	0.8
6	0.60	1.5	1.3
7	0.70	2.1	1.7
8	0.80	2.6	2.2

REPEATABILITY **1.1 µm**
HYSTERSIS **0.9 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

*****END OF CERTIFICATE*****

Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

NOTE :-
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CUSTOMER NAME & ADDRESS	:	**M/s S.S.B ENGINEERS (P) LTD.** 133, M.I.A. ALWAR - 301030 (RAJASTHAN) - INDIA	**CERTIFICATE No.** **ULR No.** **ENVIRONMENTAL CONDITIONS** **CALIB. PROCEDURE**	: : : :	AM24CC07427 CC228624000007427F TEMPERATURE (20 ± 2)°C HUMIDITY (60 ± 20) % RH AM-WI-17M
ITEM DESCRIPTION	:	**LEVER DIAL**	**CALIB. PERFORMED AT**	:	LAB
Sr. No. / ID No.	:	ZEH180/SSB/LD-02	**RECEIPT DATE**	:	17/12/2024
MAKE / MODEL	:	MITUTOYO	**CALIBRATION DATE**	:	18/12/2024
RANGE / SIZE	:	0 - 0.8 mm	**SUGG. DUE DATE**	:	17/12/2025
LEAST COUNT	:	0.01 mm	**ISSUE DATE**	:	20/12/2024
LOCATION	:	CNC SHOP FLOOR	**CONDITION ON RECEIPT**	:	SATISFACTORY

TRACEABILITY : -

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.

MASTER(S) USED FOR CALIBRATION : -

Sr. No.	ITEM No.	DESCRIPTION	CALIB. DUE DATE	CERTIFICATE No.	CALIBRATED FROM
1	ULM 001 / 49	LAB MICROCAL 600 (ULM)	25/07/2026	TI/G/ULM/006/24	TANSON INSTRUMENT, FBD.

I. MECHANICAL DIMENSION - BASIC

OBSERVATIONS

Sr. No.	UNIT UNDER CALIBRATION (in mm)	ERROR (in µm)	
		FORWARD DIRECTION	REVERSE DIRECTION
1	0.10	0.1	0.0
2	0.20	-0.2	-0.1
3	0.30	-0.2	-0.2
4	0.40	-0.5	-0.3
5	0.50	0.8	0.6
6	0.60	1.2	1.0
7	0.70	1.8	1.4
8	0.80	2.2	1.8

REPEATABILITY **1.0 µm**
HYSTERSIS **0.7 µm**

UNCERTAINTY OF MEASUREMENT : ± 5.82 µm (95.45 % OF CONFIDENCE LEVEL, k=2)

REMARK : - CALIBRATED AS PER IS - 11498

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Calibrated By: - (Vikas Sharma, Calib. Engg.) Approved By : - (S. Kaushik, QM)

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