

Department : Quality Control | Quality Assurance

Function : QA (Calibration Lab.)

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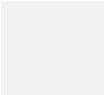


MEASUREMENT SYSTEM ANALYSIS
SCHEDULE

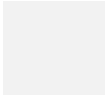
S. No.	Description	I.D No.	Freq. (Months)	Parameter	Specification	Jan-2025 Plan	Jan-2025 Results	Mar-2025 Plan	Mar-2025 Results	Jun-2025 Plan	Jun-2025 Results	Sep-2025 Plan	Sep-2025 Results	Dec-2025 Plan	Dec-2025 Results	Remarks
1	Vernier Caliper	VC-101	6	Length	±0.02 mm	Planned	OK (A)	Planned	OK (A)	Planned	OK (A)	Planned	OK (A)	Planned	Pending	Stable
2	Micrometer	MC-202	12	Diameter	±0.01 mm	Planned	OK (A, B)	-	-	Planned	OK (A)	-	-	Planned	OK (A)	Bias < 5%
3	Pressure Gauge	PG-303	12	Pressure	0–10 bar	Planned	Fail (C)	Planned	OK (C)	Planned	OK (C, D)	-	-	Planned	Pending	Action Taken
4	Dial Indicator	DI-404	6	Deflection	±0.01 mm	Planned	OK (A, D)	Planned	OK (A)	Planned	OK (A, E)	Planned	OK (A)	Planned	OK (A)	Accepted

Legends

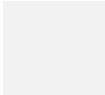
- A = Gauge R&R (Repeatability & Reproducibility – variable data)
- B = Gauge R&R – Attribute (for attribute type measurement systems)
- C = Linearity (checks if the measurement bias changes across the measurement range)
- D = Stability (checks if the measurement system remains consistent over time)
- E = Bias (checks systematic error compared to a reference standard)



Prepared by



Checked by



Approved by

