

# Component Dimensional Check

Supervisor	Peter Schmidt
Inspection Date	2025-06-27

Refer to the dimensional log for all component size readings. This report presents the dimensional measurements and inspection results. All measured values are timestamped for audit purposes. Entries include both pass/fail markers and deviation magnitudes.

Item Code	MS-600P	TX-820V	WD-180S	NE-245A	SB-140D	TX-820V	AL-115Q
Part Name	Hinge Set	Shaft 500mm	Hinge Set	Hinge Set	Rubber Gasket 80mm	Battery Pack	Hinge Set
Measurement	Length	Inner Diameter	Width	Height	Width	Width	Length
Nominal	76.87	86.09	81.82	17.29	22.89	87.32	43.59
Observed	76.67	86.17	81.75	17.28	22.85	87.37	43.62
Diff	-0.20	+0.08	-0.07	-0.01	-0.04	+0.05	+0.03
Pass/Fail	OK	OK	OK	OK	OK	OK	OK

Refer to deviation column for any out-of-tolerance measurements. Please address any NOK items before proceeding to the next production stage. All dimensions within tolerance have been marked as OK.

Instrument Calibration Log:

Instrument	Serial No.	Last Calibration Date
Micrometer	93916	2024-07-24
CMM	46512	2025-02-11