

Schedule

Issue date: 1 March 2024
Valid until: 20 September 2024



NO: SAMM 1025

(Issue 2, 1 March 2024 replacement
of SAMM 1025 dated 20 September 2021)

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LABORATORY LOCATION: (PERMANENT LABORATORY)



TMP LABORATORY
TOOLS & MACHINERY PART SUPPLIES SDN. BHD.
LOT 22, JALAN 223
46100 PETALING JAYA
SELANGOR, MALAYSIA

FIELD OF CALIBRATION: TORQUE

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

* The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of $k=2$ unless stated otherwise.

SCOPE OF CALIBRATION: TORQUE

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Hand Torque Tools	0.06 N.m to < 0.3 N.m 0.3 N.m to < 6 N.m 6 N.m to < 20 N.m 20 N.m to < 100 N.m 100 N.m to < 500 N.m 500 N.m to < 1000 N.m 1000 N.m to to 2100 N.m	1.6% of Reading 1.5% of Reading 0.9% of Reading 0.4% of Reading 0.4% of Reading 0.9% of Reading 0.7% of Reading	Calibration using reference torque testers with reference to ISO 6789-2:2017
Torque Measuring Devices	0.06 Nm to 8 N.m Above 6 N.m to 50 N.m Above 50 N.m to 200 N.m Above 200 N.m to 1,000 N.m	0.31 % of reading 0.32 % of reading 0.29 % of reading 0.25 % of reading	Calibration using torque beams and dead weights based on BS 7882:2017

Signatories:

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