

# Schedule

Issue date: 19 March 2025  
Valid Until: -



NO: SAMM 1028

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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	C. Melchers GmbH & Co. Infinite Centre 2nd Floor, Jalan 13/6 46200 Petaling Jaya Selangor , 46200, SELANGOR MALAYSIA
	
<b>ACCREDITED SINCE :</b>	19 MARCH 2025
<b>FIELD(S) OF CALIBRATION:</b>	ELECTRICAL

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.**

<b>CENTRAL LOCATION</b>	C. Melchers GmbH & Co. Infinite Centre 2nd Floor, Jalan 13/6 46200 Petaling Jaya Selangor , 46200, Selangor
<b>FIELD(S) OF CALIBRATION :</b>	ELECTRICAL,

## SCOPE OF CALIBRATION : ELECTRICAL

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty ( $\pm$ )*	Remarks
1 Pulse Voltage	5 V to 500 V	4.9% of reading	Clause 9.3
2 Pulse Risetime	5 ns to 100 ns (5 V to 500 V)	40% of reading	Clause 9.3
3 Pulse Duration	5 ns to 100 us	4.9% of reading	Clause 9.3
5 Noise (method B)	1x10 <sup>0</sup> V/VHz to	9.3% of reading	Clause 9.4.3
6 Gain Linearity	0 dB to 70 dB	3.0% of reading	Clause 9.4.4
7 Vertical Linearity	0 dB to 26 dB	3.0% of reading	Clause 9.4.5
Ammeter Accuracy	1) Alternating Current	13% of reading	Clause 7.4.1
Frequency Response	100 kHz to 30 MHz at -3 dB	5.9% of reading	Clause 9.4.2

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<b>Instrument Calibrated/Measurement Parameter</b>	<b>Range</b>	<b>Calibration and Measurement Capability Expressed as an Uncertainty (<math>\pm</math>)*</b>	<b>Remarks</b>
Magnetic Particle Testing Equipment	None	None	Measurement using current shunt with
Ultrasonic Flaw Detection Equipment	None	None	BS EN ISO 22232-1:2020

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