


NO: SAMM 285

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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	High Voltage & High Current Institute (IVAT), Faculty of Electrical Engineering, Universiti Teknologi Malaysia (UTM) School of Electrical Engineering, Universiti Teknologi Malaysia 81310 Skudai, Johor , 81310, JOHOR MALAYSIA
	
<b>ACCREDITED SINCE :</b>	26 MARCH 2025
<b>FIELD(S) OF TESTING:</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).

<b>CENTRAL LOCATION:</b>	High Voltage & High Current Institute (IVAT), Faculty of Electrical Engineering, Universiti Teknologi Malaysia (UTM) School of Electrical Engineering, Universiti Teknologi Malaysia 81310 Skudai, Johor , 81310, Johor
<b>FIELD(S) OF TESTING :</b>	ELECTRICAL,

**SCOPE OF TESTING : ELECTRICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Ac High Current Source	0 A to 40 A at 50 Hz 40 A to 400 A at 50 Hz 400 A to 1000 A at 50 Hz	1.2 % of reading 1.2 % of reading 1.2 % of reading
Ac High Voltage Divider	5 kV to 180 kV rms at 50 Hz	0.75 % of reading
Dc High Voltage Divider	5 kV to 180 kV	0.52 % of reading
Dc High Voltage Meters	3kV to 28 kV	0.29 % of reading
	28 kV to 140 kV	0.86 % of reading
	140 kV to 180 kV	0.52 % of reading
	3kV to 28 kV	0.29 % of reading
	28 kV to 140 kV	0.86 % of reading
Dividers	Tail time : 40 us to 60 us	None
Dividers Ac High Voltage Divider	5 kV to 180 kV rms at 50 Hz	0.75 % of reading

# Schedule

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Valid Until: -



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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Impulse Divider	Crest value : 50 kV to 140 kV	1.3 % of reading (positive) 1.4 % of reading (negative)
	Front time : 0.8 us to 1.6 us	4.5 % of reading (positive) 4.5 % of reading (negative)
	Tail time : 40 us to 60 us	5.0 % of reading (positive) 4.8 % of reading (negative)
	Crest value : 50 kV to 140 kV	1.3 % of reading (positive) 1.4 % of reading (negative)
	Front time : 0.8 us to 1.6 us	4.5 % of reading (positive) 4.5 % of reading (negative)
	Tail time : 40 us to 60 us	5.0 % of reading (positive) 4.8 % of reading (negative)
Impulse Meter	Crest value : 50 kV to 140 kV	1.4 % of reading (positive) 1.4 % of reading (negative)
	Front time : 0.8 us to 1.6 us	4.5 % of reading (positive) 4.5 % of reading (negative)
	Tail time : 40 us to 60 us	5.0 % of reading (positive) 4.8 % of reading (negative)
	Crest value : 50 kV to 140 kV	1.4 % of reading (positive) 1.4 % of reading (negative)
	Front time : 0.8 us to 1.6 us	4.5 % of reading (positive) 4.5 % of reading (negative)
	Tail time : 40 us to 60 us	5.0 % of reading (positive) 4.8 % of reading (negative)
Meters (continue) Ac High Current Source	0A to 40 50 Hz	1.2 % of reading
	40A to 400A at 50 Hz	1.2 % of reading
	400 A to at 50 Hz	1.2 % of reading
Meters Ac High Voltage Meters	2kV rms to rms at 50 Hz	0.63 % of reading
	rms to 100 kV rms at 50 Hz	0.92 % of reading
	100 kV to 180 kV rms at 50 Hz	0.89 % of reading
	2kV rms to rms at 50 Hz	0.63 % of reading
	rms to 100 kV rms at 50 Hz	0.92 % of reading
	100 kV to 180 kV rms at 50 Hz	0.89 % of reading

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