

NO: SAMM 975

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LABORATORY LOCATION:  
(PERMANENT LABORATORY)

RS-SIMULATION ASIA LABORATORY (RSAL)  
RS-SIMULATION ASIA SDN. BHD.  
NO. 15, JALAN MJ14  
TAMAN INDUSTRI MERANTI JAYA  
47120 PUCHONG, SELANGOR  
MALAYSIA

FIELD OF CALIBRATION:

HEAT AND TEMPERATURE

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: HEAT AND TEMPERATURE MEASUREMENT

SITE: CATEGORY III

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty( $\pm$ )*	Remarks
<b>Temperature</b>			
Climatic test chambers	-70 °C to -40 °C	0.3 °C	Based on DKD-R 5-7 method A, B, or C
	> -40 °C to 0 °C	0.3 °C	
	> 0 °C to 100 °C	0.3 °C	
	> 100 °C to 180 °C	0.4 °C	
<b>Relative humidity</b>			
Climatic test chambers	10 % rh to 30 % rh	2.2 % rh	Based on DKD-R 5-7 method A, B, or C
	> 30 % rh to 60 % rh	2.4 % rh	
	> 60 % rh to 95 % rh	2.4 % rh	
	(5 °C to 65 °C)		

Signatories:

1. Ng Ek Rik
2. Joerg Tysarzik (non-resident)