

ACCREDITATION SCHEME FOR
LABORATORIES



Number : **LA-2003-0278-C**
Date of Issue : **26 March 2024**
Date of Expiry : **25 March 2028**

Certificate of Accreditation

This certifies that

ISOLAB (Singapore) Pte Ltd
2 Joo Koon Circle
@ Level 2
Singapore 629031

is accredited by the Singapore Accreditation Council to

ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories

within the field/programme of

Calibration & Measurement

for the specific scope as detailed in the attached schedule.

On behalf of the Singapore Accreditation Council
Tan Kai Hoe
Chairman

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Schedule

ISOLAB (Singapore) Pte Ltd
2, Joo Koon Circle
@ Level 2
Singapore 629031

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Field of Testing: Calibration and Measurement

MEASURED QUANTITIES/ INSTRUMENTS/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
A. Temperature Calibration		
A1. Resistance temperature Devices Indicators	STCP-001 (Rev. 4)	
-200 °C to 200 °C		0.01 °C
200 °C to 850 °C		0.01 °C
A2. Resistance temperature Devices Simulators	STCP-001 (Rev. 4)	
-200 °C to 850 °C		0.01 °C
A3. Thermocouple Simulators	STCP-002 (Rev. 5)	
Type E		
-270 °C to -150 °C		0.18 °C
-150 °C to -100 °C		0.18 °C
-100 °C to 0 °C		0.14 °C
0 °C to 200 °C		0.14 °C
200 °C to 1000 °C		0.10 °C
Type J		
-210 °C to -150 °C		0.17 °C
-150 °C to -100 °C		0.13 °C
-100 °C to 0 °C		0.13 °C
0 °C to 1200 °C		0.10 °C

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MEASURED QUANTITIES/ INSTRUMENTS/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
<p>Type K -270 °C to -150 °C -150 °C to -100 °C -100 °C to 0 °C 0 °C to 900 °C 900 °C to 1372 °C</p> <p>Type N -270 °C to -150 °C -150 °C to -100 °C -100 °C to 100 °C 100 °C to 200 °C 200 °C to 1300 °C</p> <p>Type R -50 °C to 100 °C 100 °C to 400 °C 400 °C to 600 °C 600 °C to 900 °C 900 °C to 1768 °C</p> <p>Type S -50 °C to 100 °C 100 °C to 200 °C 200 °C to 400 °C 400 °C to 700 °C 700 °C to 1768 °C</p> <p>Type T -270 °C to -150 °C -150 °C to -100 °C -100 °C to 0 °C 0 °C to 200 °C 200 °C to 400 °C</p> <p>Type B 200 °C to 600 °C 600 °C to 1700 °C</p>		<p>0.3 °C 0.14 °C 0.13 °C 0.11 °C 0.12 °C</p> <p>0.19 °C 0.13 °C 0.10 °C 0.10 °C 0.10 °C</p> <p>0.40 °C 0.30 °C 0.20 °C 0.20 °C 0.20 °C</p> <p>0.30 °C 0.30 °C 0.20 °C 0.20 °C 0.20 °C</p> <p>0.20 °C 0.13 °C 0.12 °C 0.10 °C 0.10 °C</p> <p>0.5 °C 0.3 °C</p>

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MEASURED QUANTITIES/ INSTRUMENTS/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
<p>A4. Thermocouple Indicators</p> <p>Type E -200 °C to -150 °C -150 °C to -100 °C -100 °C to 0 °C 0 °C to 200 °C 200 °C to 1000 °C</p> <p>Type J -210 °C to -150 °C -150 °C to -100 °C -100 °C to 100 °C 100 °C to 1200 °C</p> <p>Type K -200 °C to -150 °C -150 °C to -100 °C -100 °C to 0 °C 0 °C to 1000 °C 1000 °C to 1372 °C</p> <p>Type N -270 °C to -150 °C -150 °C to -100 °C -100 °C to -50 °C -50 °C to 300 °C 300 °C to 1300 °C</p> <p>Type R -50 °C to 100 °C 100 °C to 400 °C 400 °C to 600 °C 600 °C to 900 °C 900 °C to 1768 °C</p>	<p>STCP-002 (Rev. 5)</p>	<p>0.16 °C 0.12 °C 0.08 °C 0.07 °C 0.07 °C</p> <p>0.17 °C 0.14 °C 0.12 °C 0.11 °C</p> <p>0.21 °C 0.17 °C 0.13 °C 0.13 °C 0.20 °C</p> <p>0.19 °C 0.13 °C 0.13 °C 0.13 °C 0.10 °C</p> <p>0.4 °C 0.4 °C 0.4 °C 0.33 °C 0.3 °C</p>

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<p>Type S -50 °C to 100 °C 100 °C to 200 °C 200 °C to 400 °C 400 °C to 700 °C 700 °C to 1100 °C 1100 °C to 1768 °C</p> <p>Type T -200 °C to -150 °C -150 °C to -100 °C -100 °C to 0 °C 0 °C to 200 °C 200 °C to 400 °C</p> <p>Type B 200 °C to 600 °C 600 °C to 1700 °C</p> <p>A5. Resistance Temperature Detectors without Display</p> <p>-80 °C to 0 °C 0 °C to 40 °C 40 °C to 250 °C 250 °C to 550 °C</p> <p>A6. Thermocouple Sensor without Display (in-house)</p> <p>Type E -80 °C to 20 °C 20 °C to 24 °C 24 °C to 250 °C</p> <p>Type J -80 °C to 0 °C 0 °C to 20 °C 20 °C to 24 °C 24 °C to 250 °C 250 °C to 500 °C 500 °C to 1000 °C</p>	<p>STCP-003 (Rev.5)</p> <p>STCP-004 (Rev.6)</p>	<p>0.4 °C 0.3 °C 0.2 °C 0.2 °C 0.2 °C 0.2 °C</p> <p>0.12 °C 0.10 °C 0.10 °C 0.07 °C 0.07 °C</p> <p>0.5 °C 0.3 °C</p> <p>17 mK (0.017°C) 9 mK (0.009°C) 17 mK (0.017°C) 0.41°C</p> <p>0.4 °C 2.4 µV 0.4 °C</p> <p>0.6 °C 0.5 °C 1.9 µV 0.5 °C 0.6 °C 0.7 °C</p>

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MEASURED QUANTITIES/ INSTRUMENTS/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
Type K -80 °C to 0 °C 0 °C to 20 °C 20 °C to 40 °C 40°C to 250 °C 250 °C to 500 °C 500 °C to 1000 °C 1000 °C to 1290 °C Type N -80 °C to 0 °C 0 °C to 20 °C 20 °C to 40 °C 40°C to 200 °C 200 °C to 400 °C 400 °C to 1000 °C 1000 °C to 1290 °C Type R 0 °C to 20 °C 20 °C to 24 °C 24 °C to 500 °C 500 °C to 1000 °C 1000 °C to 1290 °C Type S 0 °C to 20 °C 20 °C to 40 °C 40°C to 350 °C 350 °C to 1100 °C 1100 °C to 1290 °C Type T -80 °C to 0 °C 0 °C to 20 °C 20 °C to 24 °C 24 °C to 260 °C Type B 22 °C		0.3 °C 0.3 °C 1.8 µV 0.3 °C 0.5 °C 1.0 °C 2.0 °C 0.3 °C 0.3 °C 1.4 µV 0.3 °C 0.5 °C 1.0 °C 2.0 °C 0.5 °C 1.1 µV 0.5 °C 1.0 °C 2.0 °C 0.9 °C 1.2 µV 0.9 °C 1.0 °C 2.0 °C 0.3 °C 0.2 °C 1.0 µV 0.2 °C 0.6 µV
A7. Digital Indicator with RTD Sensor -80 °C to -40 °C -40 °C to 0 °C 0 °C to 40 °C 40 °C to 250 °C 250 °C to 550 °C	STCP-005 (Rev.6)	15 mK (0.015°C) 15 mK (0.015°C) 9 mK (0.009°C) 15 mK (0.015°C) 0.41 °C

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A8. Digital Indicator with Base Metal Thermocouple -80 °C to 20 °C 20 °C to 250 °C 250 °C to 500 °C 500 °C to 700 °C 700 °C to 900 °C 900 °C to 1290 °C	STCP-005 (Rev.6)	0.3 °C 0.2 °C 0.7 °C 1.2 °C 1.5 °C 1.7 °C
A9. Digital Indicator with Noble Metal Thermocouple 0 °C to 250 °C 250 °C to 500 °C 500 °C to 1000 °C 1000 °C to 1100 °C 1100 °C to 1290 °C	STCP-005 (Rev.6)	0.4 °C 0.6 °C 1.5 °C 2.2 °C 2.8 °C
A10a Temperature & Humidity Instruments (In-house) -20 °C to 60 °C (10 to 95) % relative humidity at 23 °C -20 °C to 60 °C (i) (10 to 95) % relative humidity (ii) (95 and above) % relative humidity Dew Point (-20 °C to 60 °C)	STCP-006 (Rev.6)	0.2 °C (2.0 to 2.2) % relative humidity 0.12 °C (2.0 to 2.2) % relative humidity (2.7 to 2.8) % relative humidity 0.3 °C
A10b Temperature & Humidity Instruments (On-site) 15 °C to 35 °C 30% RH to 80% RH Dew Point (-20 °C to 60 °C)	STCP-006 (Rev.6)	(0.3 to 0.4) °C (1.8 to 2.0) % relative humidity 0.3 °C
A11. Temperature Enclosures (In-house and on-site) -80 °C to -40 °C -40 °C to 100 °C 100 °C to 350 °C 350 °C to 1290 °C 115 °C to 135°C Autoclaves and Pressurized Enclosures	STCP-007 (Rev.7)	0.9 °C 0.4 °C 1.2 °C 3.9 °C 0.3 °C

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A12a. Digital Indicator with RTD Sensor (On-site) -40 °C to 0 °C 0 °C to 100 °C 100 °C to 200 °C 200 °C to 300 °C 300 °C to 500 °C	STCP-008 (Rev.6)	0.3 °C 0.06 °C 0.2 °C 0.3 °C 0.5 °C
A12b. Digital Indicator with RTD & Thermocouple sensor – In situ Method (On-site) -30 °C to 0 °C 0 °C to 100 °C		0.1 °C 18 mK (0.018 °C)
A13. Digital Indicator with Base Metal Thermocouple Sensor (On-Site) -40 °C to 0 °C 0 °C to 100 °C 100 °C to 200 °C 200 °C to 300 °C 300 °C to 500 °C 500 °C to 1000 °C	STCP-008 (Rev.6)	0.5 °C 0.3 °C 0.5 °C 0.6 °C 0.8 °C 0.8 °C
A14. Digital RTD Indicators (On-Site) -200 °C to 550 °C	STCP-009 (Rev.5)	0.09 °C to 0.1 °C
A15. Thermocouple Display Devices (On-Site) Type E -200 °C to 0 °C 0 °C to 1000 °C Type J -200 °C to 800 °C	STCP-010 (Rev.4)	0.3 °C 0.5 °C 0.5 °C

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Type K -200 °C to 1200 °C		0.4 °C	
Type N -200 °C to 1200 °C		0.5 °C	
Type T -200 °C to 0 °C 0 °C to 400 °C		0.3 °C 0.2 °C	
A16. Temperature Transmitter with RTD Sensor (In-house & On-site) -80 °C to 250 °C 250 °C to 550 °C	STCP-011 (Rev.6)	<u>In-house</u> 17 mK (0.017°C) 0.41 °C	<u>On-site</u> 0.2 °C 0.6 °C
A17. Temperature Transmitter with Base Metal Thermocouple Sensor (In-house & On-site) -40 °C to 200 °C 200 °C to 1000 °C 1000 °C to 1200 °C	STCP-011 (Rev.6)	<u>In-house</u> 0.4 °C 0.5 °C 1.0 °C	<u>On-site</u> 0.6 °C 0.8 °C -
A18. Radiation Thermometers -10 °C to 50 °C 50 °C to 100 °C 100 °C to 300 °C 300 °C to 400 °C 400 °C to 700 °C -10 °C to 50 °C 50 °C to 350 °C 350 °C to 700 °C	STCP-012 (Rev.5) $\epsilon = 1.00$ $\epsilon = 1.00$ $\epsilon = 1.00$ $\epsilon = 1.00$ $\epsilon = 1.00$ $\epsilon = 0.90$ to 0.99 $\epsilon = 0.90$ to 0.99 $\epsilon = 0.90$ to 0.99	0.3 °C 0.25 °C 1.8 °C 2.3 °C 2.8 °C 0.5 °C 0.8 °C 3.7 °C	

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A19. Liquid-In-Glass (LIG) Thermometer				STCP-013 (Rev. 5)	
	Type of Immersion	Min. LIG Graduation (°C)	Max. LIG Graduation (°C)	Temperature Range (°C)	
(i)	Total Immersion	0.01	1.0	-80 to -40	0.2 °C
(ii)	Total Immersion	0.01	1.0	-40 to 0	0.1 °C
(iii)	Total Immersion	0.01	1.0	0 to 200	0.1 °C
(iv)	Total Immersion	0.01	1.0	200 to 250	0.3 °C
(v)	Partial Immersion	0.01	1.0	-80 to -40	0.4 °C
(vi)	Partial Immersion	0.01	1.0	-40 to 0	0.3 °C
(vii)	Partial Immersion	0.01	1.0	0 to 150	0.5 °C
(viii)	Partial Immersion	0.01	1.0	150 to 200	0.6 °C
(ix)	Partial Immersion	0.01	1.0	200 to 250	0.8 °C
A20. Temperature and Humidity Chamber (In-house & On-site)				STCP-014 (Rev. 5)	
-20 °C to 60°C (Temperature and Dew Point)					0.6 °C to 0.8 °C
(5 ~ 10) °C @ (10 to 55) % relative humidity					0.5 °C / 2.0 % relative
(5 ~ 10) °C @ (55 to 90) % relative humidity					0.4 °C / 2.7 % relative
(5 ~ 10) °C @ (90 to 95) % relative humidity					0.3 °C / 3.3 % relative
(10 ~ 23) °C @ (10 to 55) % relative humidity					0.3 °C / 1.6 % relative
(10 ~ 23) °C @ (55 to 90) % relative humidity					0.4 °C / 2.2 % relative
(10 ~ 23) °C @ (90 to 95) % relative humidity					0.3 °C / 3.2 % relative
(23 ~ 40) °C @ (10 to 55) % relative humidity					0.3 °C / 1.3 % relative
(23 ~ 40) °C @ (55 to 90) % relative humidity					0.2 °C / 2.5 % relative
(23 ~ 40) °C @ (90 to 95) % relative humidity					0.2 °C / 2.1 % relative
(40 ~ 60) °C @ (10 to 55) % relative humidity					0.4 °C / 2.0 % relative
(40 ~ 60) °C @ (55 to 90) % relative humidity					0.4 °C / 2.2 % relative
(40 ~ 60) °C @ (90 to 95) % relative humidity					0.5 °C / 2.8 % relative
A21. Sensor Calibration Using Fixed Point					
(a) Triple Point of Water (0.01 °C)				STCP-015 (Rev. 3)	3 mK (0.003°C)
(b) Gallium Melting Point (29.7646 °C)				STCP-016 (Rev. 3)	3 mK (0.003°C)

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<p>A22. Multi-Holed Temperature Bath Calibration (Dry-Blocks & Liquid Baths)</p> <p>Radial and Axial Test -40 °C to 250 °C 250 °C to 1100 °C 1100 °C to 1295 °C Loading, Stability and Deviation Test -40 °C to 250 °C 250 °C to 1100 °C 1100 °C to 1295 °C</p>	STCP-017 (Rev. 3)	<p>0.1 °C to 0.4 °C 2.6 °C to 3.8 °C 4.7 °C</p> <p>0.1 °C 1.8 °C to 3.4 °C 4.0 °C</p>
<p>A23. Calibration of -196 °C using Liquid Nitrogen Fixed Point (In-house & On-site)</p>	STCP-019 (Rev. 1)	13 mK (0.013 °C)
<p>A24. Calibration of Surface Temperature Probe and Surface Hot Plate Profiling And Temperature Mapping of Hot Block (In-house & On-site)</p> <p>(a) Surface Temperature Probe 50 °C to 100 °C 100 °C to 300 °C</p> <p>(b) Surface Hot Plate Profiling Stability & Uniformity: 50 °C to 100 °C Stability & Uniformity: 100 °C to 300 °C</p> <p>(c) Temperature Mapping of Hot Block 30 °C to 150 °C</p>	STCP-020 (Rev. 1)	<p>1.1 °C 1.3 °C</p> <p>1.3 °C 2.7 °C</p> <p>(0.8 to 1.4) °C</p>
<p>A25. Temperature Dial Gauges, Bimetallic and Capillary Thermometers (In-house & On-site) 0 °C to 100 °C 100 °C to 400 °C</p>	STCP-021 (Rev. 1)	<p>0.5 °C 1.5 °C</p>

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<p>B. Mechanical calibration (Pressure)</p> <p>B1. Analogue Pressure Gauges (In-house) (-0.9 to 1100) bar</p> <p>(a) Analogue Pressure Gauges -0.9 bar to 0 bar 0 mbar to 1000 mbar 1000 mbar to 35 bar 35 bar to 70 bar 70 bar to 1100 bar</p> <p>(b) Manometers / Differential Manometers / Magnehelic Pressure Gauges</p> <p>-500 Pascal to 0 Pascal 0 Pascal to 250 Pascal 250 Pascal to 500 Pascal 500 Pascal to 1000 Pascal 1 kilo-Pascal to 2.5 kilo-Pascal</p> <p>B2. Digital Pressure Indicators (-0.9 to 1100) bar (In-house) (-0.9 to 700) bar (On-site)</p> <p>(a) Digital Pressure Indicators (In-house) -0.9 bar to 0 bar 0 mbar to 1000 mbar 1 bar to 10 bar 10 bar to 35 bar 35 bar to 70 bar 70 bar to 350 bar 350 bar to 700 bar 700 bar to 1100 bar</p>	<p>SPCP-001 (Rev. 8)</p> <p>SPCP-002 (Rev. 8)</p>	<p>5 mbar 1.1 mbar 0.04 bar 0.14 bar 0.7 bar</p> <p>6 Pascal 3 Pascal 5 Pascal 5 Pascal 0.028 kilo-Pascal</p> <p>0.5 mbar 0.1 mbar 1.8 mbar 4.6 mbar 0.013 bar 0.04 bar 0.12 bar 0.2 bar</p>

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<p>(b) Digital Manometers / Differential Digital Manometers and Low pressure Digital Indicators (in-house / On-site)</p> <p>-500 Pascal to 0 Pascal 0 Pascal to 250 Pascal 250 Pascal to 500 Pascal 500 Pascal to 1000 Pascal 1 kilo-Pascal to 2.5 kilo-Pascal</p>	SPCP-002 (Rev. 8)	<p>3 Pascal 3 Pascal 3 Pascal 3 Pascal 0.01 kilo-Pascal</p>
<p>(c) Digital Pressure Indicators (On-site)</p> <p>-0.9 bar to 0 bar 0 to 10 bar 10 bar to 35 bar 35 bar to 70 bar 70 bar to 350 bar 350 bar to 700 bar</p>	SPCP-002 (Rev. 8)	<p>0.01 bar 0.01 bar 0.02 bar 0.03 bar 0.3 bar 0.3 bar</p>
<p>B3. Pressure Transmitters</p>	SPCP-003 (Rev.8)	
<p>(a) (-0.9 bar to 1100 bar) (In-house)</p> <p>-0.9 bar to 0 bar 0 mbar to 1000 mbar 1 bar to 35 bar 35 bar to 350 bar 350 bar to 1100 bar</p>		<p>1 mbar 0.4 mbar 0.01 bar 0.11 bar 0.3 bar</p>
<p>(b) (-0.9 bar to 700.0 bar) (On-site)</p> <p>-0.9 bar to 0 bar 0 mbar to 35 bar 35 bar to 700 bar</p>	SPCP-003 (Rev.8)	<p>8 mbar 0.06 bar 0.2 bar</p>
<p>(c) Low Pressure Transmitters (in-house / On-site)</p> <p>-500 Pascal to 0 Pascal 0 Pascal to 250 Pascal →250 Pascal to 500 Pascal ≥500 Pascal to 1000 Pascal 1 kilo-Pascal to 2.5 kilo-Pascal</p>	SPCP-003 (Rev.8)	<p>3 Pascal 3 Pascal 3 Pascal 6 Pascal 0.026 kilo-Pascal</p>

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B4. Analogue Pressure Gauges (On-site) (-0.9 to 1100) bar	SPCP-004 (Rev. 8)	
(a) Analogue Pressure Gauges (On-site) -0.9 bar to 0 bar 0 bar to 20 bar 20 bar to 350 bar 350 bar to 700 bar	SPCP-004 (Rev. 8)	0.005 bar 0.02 bar 0.7 bar 1.3 bar
(b) Manometers / Differential Manometers / Magnehelic Pressure Gauges (On-site) -500 Pascal to 0 Pascal 0 Pascal to 250 Pascal 250 Pascal to 500 Pascal 500 Pascal to 1000 Pascal 1 kilo-Pascal to 2.5 kilo-Pascal	SPCP-004 (Rev. 8)	6 Pascal 5 Pascal 6.5 Pascal 8 Pascal 0.028 kilo-Pascal
B5. Absolute Pressure Instruments (In-house)	SPCP-005 (Rev. 9)	
a. Liquid Media (1.0 to 100) bar absolute (100 to 1100) bar absolute		0.02 bar absolute 0.17 bar absolute
b. Gas Media		
i. (0.1 to 1.2) bar absolute		0.0006 bar absolute
ii. (1.2 to 35) bar absolute		0.001 bar absolute
iii. (35 to 70) bar absolute		0.0056 bar absolute
c. Absolute Pressure Instrument (On-site) Gas media (0.1 to 4) bar absolute	SPCP-005 (Rev. 9)	3 mbar absolute

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C. Electrical Calibration (Stopwatches and Timers)	LDCP-005 (Rev. 6)	
C1. Stopwatches (In-house)		
a. Analogue Stopwatches 5 s to 86400 s	Ref: Universal Counter <u>or</u> Stopwatch	1.2 s
b. Digital Stopwatches 1 s to 86400 s	Ref: Universal Counter	0.04 s
c. Digital Stopwatches 1 s to 900 s 900 s to 1800 s 1800 s to 2700 s 2700 s to 3600 s 3600 s to 28800 s	Ref: Stopwatch	0.06 s 0.07 s 0.07 s 0.08 s 0.39 s
C2. Stopwatches (On-site)		
a. Analogue Stopwatches 5 s to 86400 s	Ref: Universal Counter <u>or</u> Stopwatch	1.2 s
b. Digital Stopwatches 1 s to 86400 s	Ref: Universal Counter	0.04 s
c. Digital Stopwatches 1 s to 3600 s 3600 s to 28800 s	Ref: Stopwatch	0.08 s 0.39 s
C3. Timers (In-house)		
a. Analogue Timers 5 s to 28800 s	Ref: Universal Counter <u>or</u> Stopwatch	1.2 s
b. Digital Timers 1 s to 5 s 5 s to 28800 s	Ref: Universal Counter	0.04 s 0.06 s

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C4. Timers (On-site) a. Analogue Timers 5 s to 28800 s b. Digital Timers 0.5 s to 5 s 5 s to 3600 s 3600 s to 28800 s	Ref: Universal Counter <u>or</u> Stopwatch Ref: Stopwatch	1.7 s 0.08 s 0.10 s 0.40 s

- CMC is expressed as an expanded uncertainty estimated at a level of confidence of approximately 95 %

Approved Signatories:

Mr. Gerald Quek Teck Thye - For A3 to A9, A12, A12b, A13, A15 to A17, A19, A21(a), A21(b), A23, A24 and A25 only.

Mr. Shetty A. Jagadeesh - For A1, A2, A10 to A13, A18, A20, A22, A23, A24, A25, B and C only.

Mr. Thanish Nagappan - For A1 to A18, A20, A21a, A21b, A22, A23, A24, A25, B & C only

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment 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. 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.