List of activities for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-118, Effective date of termination: 2 April 2025)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 - 標準及校正實驗所

36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong

Calibration Services 校正服務		
SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術	
Accreditation of the following activities has been	terminated	
Calibration for temperature in accordance with in-house procedure TPT015 at the following values: Triple-point of argon: (-189.3442 °C) Triple-point of mercury: (-38.8344 °C) Melting-point of gallium: (29.7646 °C) Freezing-point of indium: (156.5985 °C) Freezing-point of tin: (231.928 °C) Freezing-point of zinc: (419.527 °C) Freezing-point of aluminium: (660.323 °C) Freezing-point of silver: (961.78 °C) Calibration for temperature in accordance with in-house procedure TPT001 at the following values: Triple-point of water: (0.01 °C)	0.3 mK 0.6 mK 0.5 mK 2.0 mK 2.0 mK 6.0 mK 10 mK	
	PROPERTY MEASURED 特定測試或量度的特性 Accreditation of the following activities has been Calibration for temperature in accordance with in-house procedure TPT015 at the following values: Triple-point of argon: (-189.3442 °C) Triple-point of mercury: (-38.8344 °C) Melting-point of gallium: (29.7646 °C) Freezing-point of indium: (156.5985 °C) Freezing-point of tin: (231.928 °C) Freezing-point of zinc: (419.527 °C) Freezing-point of aluminium: (660.323 °C) Freezing-point of silver: (961.78 °C) Calibration for temperature in accordance with in-house procedure TPT001 at the following values:	

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Calibration Services 校正服務		
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	Accreditation of the following activities has been	terminated
Temperature and humidity measurements		
- Temperature measurements		
- Constant temperature bath	Calibration for temperature in accordance with in-house procedure TPT006 over the following ranges: -80 °C to -75 °C Above -75 °C to 0 °C Above 0 °C to 70 °C Above 70 °C to 230 °C	6 mK 12 mK 5 mK 30 mK
	On-site calibration for temperature in accordance with in-house procedure TPT006 over the following ranges:	
	-80 °C to -75 °C Above -75 °C to 0 °C Above 0 °C to 70 °C Above 70 °C to 230 °C	6 mK 12 mK 5 mK 30 mK

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	Accreditation of the following activities has been	terminated
Electrical measurements and magnetism		
- DC & LF measurements		
- DC current meter, clamp meter	On-site calibration for DC current in accordance with in-house procedure TPL146 over the following ranges: 100 A to 400 A Above 400 A to 600 A Above 600 A to 1000 A	1.2 A 2.0 A 3.0 A
- AC ammeter (clamp-on type)	On-site calibration for AC current in accordance with in-house procedure TPL146 over the following range: 50 Hz 200 A to 300 A Above 300 A to 400 A Above 400 A to 1000 A	1.2 A 2.0 A 3.0 A

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Accreditation of the following activities has been terminated		
Electrical measurements and magnetism		
Electrical measurements and magnetism		
- RF measurements		
-Voltage dips and short interruptions generator	Calibration for the following parameters	
	in accordance with	
	IEC 61000-4-11: 2004 + A1:2017:	
	- Ratio of residual voltage	
	at the following values:	
	100 %	0.010
	80 %	0.025
	70 %	0.025
	40 %	0.025
	- Rise time over the following range:	
	0.1 µs to 10 µs	0.2 μs
	E-11 dina annual a fallamina mana	
	- Fall time over the following range:	0.2 vs
	0.1 μs to 10 μs	0.2 μs
	- Overshoot over the following range:	
	0 to 1	0.015
	- Undershoot over the following range:	
	0 to 1	0.015
	- Phase angle accuracy over the following ranges:	
	0° to 15°	5.9°
	Above 15 ° to 165 °	1.4°
	Above 165 ° to 195 °	5.9°
	Above 195 ° to 345 °	1.4°
	Above 345 ° to 360 °	5.9°

List of activities for which accreditation has been terminated

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香港特別行政區政府 - 標準及校正實驗所

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	Accreditation of the following activities has been terminated		
Electrical			
Electrical measurements and magnetism			
- RF measurements			
- Ultrasonic examination equipment	Calibration for the following parameters in accordance with EN 12668-1: 2010:		
	- Cl. 9.3 - Stability		
	- Stability after warm-up time	1 %	
	- Display jitter	1 %	
	- Stability against voltage variation	1 %	
	- Cl. 9.4 - Transmitter pulse parameters		
	- Pulse voltage over the following range:		
	50 V to 450 V	3 %	
	- Rise time over the following range:	3 70	
	5 ns to 50 ns	3 %	
	- Reverberation	3 %	
	- Duration over the following range:	3 70	
	50 ns to 2 μs	1 %	
	- Cl. 9.5 - Receiver		
	- Amplifier frequency response		
	- Centre frequency	2 %	
	- 3 dB bandwidth	3 %	
	- Equivalent input noise	3 70	
	over the following range:		
	$10 \text{ nV/}\sqrt{\text{Hz}}$ to $100 \text{ nV/}\sqrt{\text{Hz}}$	3 %	
	- Internal attenuator/gain		
	over the following range:		
	0 dB to 110 dB	0.3 dB	
	- Linearity of vertical display	1 %	
	- Linearity of time base		
	over the following range:		
	3 μs to 7 ms	1 %	
	- Cl. 8.7.2 - Linearity of time base for		
	digital ultrasonic instruments		
	over the following range:		
	3 μs to 7 ms	1 %	

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-113, Effective date of termination: 30 November 2023)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 — 標準及校正實驗所 36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong 香港灣仔告士打道 7 號入境事務大樓 36 樓

Provision of Proficiency Testing Schemes 提供能力驗證		
PROFICIENCY TESTING SCHEME AND ITEM 能力驗證計劃及項目	MEASURAND OR CHARACTERISTIC MEASURED 測試參數或特質	PROFICIENCY TESTING SCHEME PROCEDURE 能力驗證計劃程序
	Accreditation of the following tests is terminate	ed
Calibration Services		
Photometry and radiometry		
- Tungsten standard lamp	Calibration for luminous intensity at colour temperature of 2856 K over the following nominal values: 280 cd 1000 cd	PTP002: PT plan for tungsten standard lamp
- Unfiltered photometer	Calibration for spectral power responsivity over the following range of wavelength: 300 nm to 1000 nm	PTP003: PT plan for unfiltered photodetector

List of activities for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-111, Effective date of termination: 24 May 2023)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 - 標準及校正實驗所

36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong

Calibration Services 校正服務			
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術	
	Accreditation of the following activities has been terminated		
El el la el el el			
Electrical measurements and magnetism			
- DC & LF measurements			
- AC voltage generator/source	Calibration for AC voltage		
	in accordance with in-house procedure TPL008		
	at the following values or		
	over the following ranges:		
	40 Hz, 1 kHz, 10 kHz		
	0.1 mV	3000 μV/V	
	0.2 mV	1000 μV/V	
	1 mV	300 μV/V	
	2 mV	200 μV/V	
	10 mV	40 μV/V	
	20 mV	30 μV/V	
	100 mV	13 μV/V	
	200 mV	13 μV/V	
	40 Hz to 1 kHz		
	0.1 mV to 1 mV	3000 μV/V	
	Above 1 mV to 10 mV	$300 \mu\text{V/V}$	
	Above 10 mV to 100 mV	100 μV/V	
	Above 100 mV to 250 mV	70 μV/V	
	1 kHz to 10 kHz		
	0.1 mV to 1 mV	3000 μV/V	
	Above 1 mV to 100 mV	300 μV/V	
	Above 100 mV to 250 mV	70 µV/V	
	On-site calibration for AC voltage		
	in accordance with in-house procedure TPL008		
	over the following ranges:		
	40 Hz to 1 kHz		
	0.1 mV to 1 mV	3000 μV/V	
	Above 1 mV to 10 mV	300 μV/V	
	Above 10 mV to 100 mV	100 µV/V	
	Above 100 mV to 250 mV	70 μV/V	
	1 kHz to 10 kHz		
	0.1 mV to 1 mV	3000 μV/V	
	Above 1 mV to 100 mV	300 μV/V	
	Above 100 mV to 250 mV	70 μV/V	

List of activities for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-111, Effective date of termination: 24 May 2023)

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Accreditation of the following activities has been terminated		
Electrical managements and magnetism		
Electrical measurements and magnetism		
- DC & LF measurements		
- AC ammeter	Calibration for AC current	
	by comparison with reference ammeter	
	in accordance with in-house procedure TPL045	
	at the following values or	
	over the following ranges:	
	40 Hz, 1 kHz, 5 kHz	
	100 μΑ	120 μΑ/Α
	1 mA	120 µA/A
	10 mA	120 μΑ/Α
	100 mA	120 μΑ/Α
	1 A	240 μΑ/Α
	10.114	
	10 kHz 100 μA	200 μΑ/Α
	1 mA	200 μΑ/Α
	10 mA	200 μA/A
	100 mA	200 μA/A
	1 A	400 μΑ/Α
	40.77	
	40 Hz to 5 kHz	120 4/4
	100 μA to 100 mA	120 μΑ/Α
	Above 100 mA to 1 A	240 μΑ/Α
	5 kHz to 10 kHz	
	100 μA to 200 mA	200 μΑ/Α
	Above 200 mA to 1 A	400 μΑ/Α
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Accreditation of the following activities has been terminated			
Electrical measurements and magnetism			
Electrical measurements and magnetism			
- DC & LF measurements			
- AC ammeter	On-site calibration for AC current		
	by comparison with reference ammeter		
	in accordance with in-house procedure TPL045		
	at the following values or		
	over the following ranges:		
	40 Hz, 1 kHz, 5 kHz		
	100 μΑ	120 μΑ/Α	
	1 mA	120 μΑ/Α	
	10 mA	120 μΑ/Α	
	100 mA	120 μΑ/Α	
	1 A	240 μΑ/Α	
	10 kHz		
	100 μΑ	200 μΑ/Α	
	1 mA	200 μA/A	
	10 mA	200 μA/A	
	100 mA	200 μΑ/Α	
	1 A	400 μΑ/Α	
	40 Hz to 5 kHz		
	100 μA to 100 mA	120 μΑ/Α	
	Above 100 mA to 1 A	240 μA/A	
	5 kHz to 10 kHz		
	100 μA to 200 mA	200 μΑ/Α	
	Above 200 mA to 1 A	400 μA/A	
Programmable filter	Colibration for peoples of attenuation and		
- Programmable filter	Calibration for passband attenuation and stopband attenuation in accordance with:		
	in-house procedure TPL118		
	over the following ranges of parameters:		
	Valence 22.V		
	Voltage: 3.2 V Frequency: 20 Hz to 25 kHz		
	Passband attenuation: 0 dB to -10 dB	0.010 dB	
	Stopband attenuation: 0 dB to -80 dB	0.20 dB	
	k		

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Accreditation of the following activities has been terminated		
Temperature and humidity measurement		
- Temperature measurements		
- Items used for defining ITS-90		
- Primary fixed-point cell	Calibration for temperature in accordance with in-house procedure TPT015 at the following values: Triple-point of argon (-189.3442 °C) Triple-point of mercury (-38.8344 °C) Triple-point of water (0.01 °C) Melting-point of gallium (29.7646 °C) Freezing-point of indium (156.5985 °C) Freezing-point of tin (231.928 °C) Freezing-point of zinc (419.527 °C) Freezing-point of aluminium (660.323 °C) Freezing-point of silver (961.78 °C)	0.3 mK 0.6 mK 0.2 mK 0.5 mK 2.0 mK 2.0 mK 2.0 mK 6.0 mK
- Complete apparatus realising fixed point	Calibration for temperature in accordance with in-house procedure TPT015 at the following values:	
	Triple-point of argon with bath (-189.3442 °C) Triple-point of mercury with bath (-38.8344 °C) Triple-point of water with bath (0.01 °C) Melting-point of gallium with furnace (29.7646 °C) Freezing-point of indium with furnace	0.3 mK 0.6 mK 0.2 mK 0.5 mK
	(156.5985 °C) Freezing-point of tin with furnace (231.928 °C) Freezing-point of zinc with furnace (419.527 °C) Freezing-point of aluminium with furnace (660.323 °C) Freezing-point of silver with furnace (961.78 °C)	2.0 mK 2.0 mK 6.0 mK
- Standard platinum resistance thermometer (SPRT)	Calibration for temperature in accordance with in-house procedure TPT015 at the following values:	
	Triple-point of water: (0.01 °C)	0.2 mK

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Accreditation of the following activities has been terminated		
Temperature and humidity measurement		
- Temperature measurements		
- Thermometer with analogue display	Calibration for temperature in accordance with in-house procedure TPT009 over the following ranges:	
	-80 °C to 230 °C Above 230 °C to 550 °C	6.0 mK 10 mK
	Above 550 °C to 960 °C Above 960 °C to 1100 °C	0.30 K 1.0 K

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-109, Effective date of termination: 31 December 2022)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 - 標準及校正實驗所

36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong

SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性 Accreditation of the following tests is term Calibration for the following parameters in accordance with BS 7580: 1997	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術 minated
Calibration for the following parameters	minated
- Linearity range test	0.1 dB
- Frequency weighting A test	0.1 dB
- Frequency weighting C test	0.1 dB
- Frequency weighting Linear test	0.1 dB
- RMS Detector Test	0.1 dB
- Time weighting Fast test	0.1 dB
- Time weighting Slow test	0.1 dB
	0.1 dB
Above 4 kHz to 8 kHz	0.2 dB
Calibration for the following parameters	
in accordance with IEC 60804: 2000	
- Linearity range test	0.1 dB
- Frequency weighting A test	0.1 dB
- Frequency weighting C test	0.1 dB
- Frequency weighting Linear test	0.1 dB
•	0.1 dB
- Time averaging test	0.1 dB
	0.1 dB
- Overload test	0.1 dB
	- Frequency weighting C test - Frequency weighting Linear test - RMS Detector Test - Time weighting Fast test - Time weighting Slow test - Time weighting Slow test - Time averaging test - Pulse range test - Overload test - Self-generated noise test - Acoustic response test over the following frequency ranges: 63 Hz to 4 kHz Above 4 kHz to 8 kHz Calibration for the following parameters in accordance with IEC 60804: 2000 - Linearity range test - Frequency weighting A test - Frequency weighting C test - Frequency weighting Linear test - Level range control test

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	Accreditation of the following tests is to	erminated
Acoustic and vibration measurements		
- Acoustic measurements		
- Sound level meter	Calibration for the following parameters in accordance with IEC 60651: 2001	
	- Frequency weighting A test	0.1 dB
	- Frequency weighting C test	0.1 dB
	- Frequency weighting Linear test	0.1 dB
	- Level range control test	0.1 dB
	- RMS Detector Test	0.1 dB
	- Time weighting Fast test	0.1 dB
	- Time weighting Slow test	0.1 dB
	- Overload test - Acoustic test at 1 kHz	0.1 dB 0.1 dB
	- Acoustic test at 1 kHz	0.1 dB

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	Accreditation of the following tests is termi	inated
Electrical measurements and magnetism		
- RF measurements		
- Thermistor mount power sensor fitted with 50 Ω type N or PC7 connector	Calibration for effective efficiency by using micro-calorimeter in accordance with in-house procedure TPR032 over the following range: 10 MHz to 30 MHz 0.9 to 1	0.001 to 0.003
		0.001 to 0.003
	30 MHz to 3 GHz 0.9 to 1	0.003 to 0.006
	3 GHz to 18 GHz 0.9 to 1	0.006 to 0.019

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	Accreditation of the following tests is term	inated
Temperature and humidity measurement		
- Temperature measurements		
- Temperature chamber of volume not greater than 2000 litre	On-site calibration for the following parameters in accordance with IEC 60068-3-5: 2001	
	- Mean temperature (excluding temperature fluctuation and gradient): -80 °C to 250 °C	0.06 K
		0.00 K
	- Temperature fluctuation: -80 °C to 250 °C	0.04 K
	- Temperature gradient: -80 °C to 250 °C	0.08 K
	- Temperature variation in space: -80 °C to 250 °C	0.08 K
	- Mean temperature (including temperature fluctuation and gradient):	
	-80 °C to below -40 °C -40 °C to 5 °C	0.50 K 0.40 K
	Above 5°C to 40 °C	0.10 K
	Above 40 °C to 70 °C Above 70 °C to 180 °C	0.15 K 0.60 K
	Above 180 °C to 250 °C	0.90 K

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	Accreditation of the following tests is terr	minated
Temperature and humidity measurement		
- Temperature measurements		
- Temperature chamber of volume not greater than 2000 litre	Calibration for the following parameters in accordance with IEC 60068-3-5: 2001	
	- Mean temperature (excluding temperature fluctuation and gradient):	
	-80 °C to 250 °C	0.06 K
	- Temperature fluctuation: -80 °C to 250 °C	0.04 K
	- Temperature gradient: -80 °C to 250 °C	0.08 K
	- Temperature variation in space: -80 °C to 250 °C	0.08 K
	-80 C to 250 C	U.U8 K
	- Mean temperature (including temperature	
	fluctuation and gradient): -80 °C to below -40 °C	0.50 K
	-40 °C to 5 °C	0.40 K
	Above 5°C to 40 °C	0.10 K
	Above 40 °C to 70 °C	0.15 K
	Above 70 °C to 180 °C	0.60 K
	Above 180 °C to 250 °C	0.90 K

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香港特別行政區政府 — 標準及校正實驗所 36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong 香港灣仔告士打道7號入境事務大樓 36 樓

Provision of Proficiency Testing Schemes 提供能力驗證		
PROFICIENCY TESTING SCHEME AND ITEM 能力驗證計劃及項目	MEASURAND OR CHARACTERISTIC MEASURED 測試參數或特質	PROFICIENCY TESTING SCHEME PROCEDURE 能力驗證計劃程序
	Accreditation of the following tests is terminal	ted
Calibration Services		
Electricity		
- High voltage probe	Calibration for the following parameters:	PTL011: PT plan for high voltage probe
	- DC voltage: 1 kV to 40 kV	
	- AC voltage: 50 Hz 1 kV to 28 kV	
- Clamp meter with current sensor	Calibration for the following parameters:	PTL003: PT plan for clamp meter
	- DC current: 10 μA to 100 A	
	- AC current: 45 Hz to 65 Hz 1 A to 200 A	
- LCR meter	Calibration for the following parameters:	PTL021: PT plan for LCR meter
	- Capacitance: 50 Hz to 1 kHz 1 pF to 1.11 μF	
	- Inductance: 400 Hz and 1 kHz 100 μH to 1 H	

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-109, Effective date of termination: 31 December 2022)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 — 標準及校正實驗所 36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong 香港灣仔告士打道7號入境事務大樓 36樓

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	Accreditation of the following tests is terminated	d T
Calibration Services		
Electricity		
- RF power sensor	Calibration for RF power over the following range:	PTR001 PT plan for RF power sensor
	100 kHz to 4.2 GHz 10 nW to 100 mW	
- RF coaxial line	Calibration for Voltage reflection coefficients (VRC) (Magnitude, phase, real and imaginary Components) over the following range:	PTR002: PT plan for RF coaxial line
	300 kHz to 18 GHz	
- RF attenuator	Calibration for attenuation over the following range:	PTR003: PT plan for RF attenuator
	300 kHz to 18 GHz 0 to 80 dB	
Magnetism		
- Gaussmeter and teslameter	Calibration for DC magnetic flux density over the following ranges:	PTL041: PT plan for gaussmeter and teslameter
	Axial direction 0.3 mT to 1 T Transverse direction 0.3 mT to 1.5 T	

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-109, Effective date of termination: 31 December 2022)

Standards and Calibration Laboratory

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PROFICIENCY TESTING SCHEME AND ITEM 能力驗證計劃及項目	MEASURAND OR CHARACTERISTIC MEASURED 測試參數或特質	PROFICIENCY TESTING SCHEME PROCEDURE 能力驗證計劃程序
	Accreditation of the following tests is terminated	
Calibration Services		
Time and frequency		
- Frequency counter	Calibration for frequency over the following range:	PTR004: PT plan for RF frequency counter
	1 Hz to 1.3 GHz	

List of tests for which accreditation has been terminated

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香港特別行政區政府 - 標準及校正實驗所

36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
	Accreditation of the following tests is termi	inated
Length and related quantities		
- Length		
- Stabilised laser of the <i>mise en pratique</i> (wavelength at 633 nm)	Calibration for optical frequency at 474 THz by using matrix method in accordance with in-house procedures TPM701	25 kHz
- Comparator	Calibration for length in accordance: with in-house procedures TPM103 over the following range:	
	0 mm to 60 mm	0.13 μm
- Engineers' steel rule	Calibration for interval length in accordance with in-house procedure TPM132 over the following range:	
	0.5 mm to 1 m	$(6 + 8l) \mu m$ where l is the length in m
- Height gauge	Calibration for length above the datum face in accordance with in-house procedure TPM107 over the following range:	
	1 mm to 1000 mm	$(14 + 12l) \mu m$ where l is the length in m
- Step gauge	Calibration for length by non-contact measurement method in accordance with in-house procedure TPM903 over the following range:	
	0.1 mm to 25 mm	3 μm

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	Accreditation of the following tests is te	rminated
Length and related quantities		
- Length		
- Length		
- Dial gauge	Calibration for length in accordance with in-house procedure TPM109 over the following range:	
	0.001 mm to 50 mm	0.6 μm
- Dial test indicator	Calibration for length in accordance with in-house procedure TPM110 over the following range:	
	0.001 mm to 50 mm	0.6 μm
- Caliper	Calibration for length in accordance with in-house procedure TPM106 over the following range:	
	0.5 mm to 1000 mm	$(14 + 8l) \mu m$ where l is the length in m
- Depth gauge	Calibration for length in accordance with in-house procedure TPM108 over the following range:	
	0.5 mm to 200 mm	$(14 + 8l) \mu m$ where l is the length in m
- Depth micrometer	Calibration for length in accordance with in-house procedure TPM108 over the following range:	
	0.05 mm to 200 mm	$\sqrt{[4.4^2+(0.01l)^2]} \mu m$ where l is the length in mm

List of tests for which accreditation has been terminated

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	Accreditation of the following tests is termi	inated
Length and related quantities		
- Length		
- External micrometer	Calibration for length in accordance with in-house procedure TPM105 over the following range:	
	0.5 mm to 100 mm	$\sqrt{[1.5^2+(0.021l)^2]}$ µm where l is the length in mm
- Micrometer head and bench micrometer	Calibration for spindle travel in accordance with in-house procedure TPM125 over the following range:	
	0.0001 mm to 50 mm	0.6 μm
- Distometer	Calibration for distance in accordance with in-house procedure TPM193 over the following range:	
	5 mm to 20 mm Above 20 mm to 100 mm	25 μm 35 μm
- Nanopitch specimen	Measurment of two-dimensional pitch size in accordance with in-house procedure TPM901 over the following range:	
	0.1 μm to 10 μm	(2 + 2.8p) nm where p is the pitch size in μ m
- Nanostep specimen	Measurement of step size in accordance with in-house procedure TPM902 over the following range:	
	0 μm to 1 μm	2 nm

List of tests for which accreditation has been terminated

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	Accreditation of the following tests is termi	nated
Length and related quantities		
- Length		
- Demountable mechanical (DEMEC) strain gauge	Calibration for displacement of the lever in accordance with in-house procedure TPM182 over the following range:	
	-10 mm to 10 mm	12 μm
- Grind gauge	Calibration for grove depth in accordance with in-house procedure TPM185 over the following range:	
	1 μm to 100 μm	1 μm
- Feeler gauge	Calibration for thickness in accordance with in-house procedure TPM173 over the following range:	
	0.01 mm to 1 mm	0.3 μm
- Precision foil	Calibration for thickness in accordance with in-house procedure TPM199 over the following range:	
	0.01 mm to 3 mm	5 μm
	Calibration for length in accordance with in-house procedure TPM199 over the following range:	
	10 mm to 600 mm	0.1 mm
- Radius gauge	Calibration of radius in accordance with in-house procedure TPM189 over the following range:	
	0.25 mm to 25 mm	7 μm

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	Accreditation of the following tests is ter	rminated
Length and related quantities		
- Angle		
- Inclinable table	Calibration for angle in accordance with in-house procedure TPM126 over the following range:	
	0° to 90°	3 second of arc
- Small angle generator	Calibration for angle in accordance with in-house procedure TPM164 over the following range:	
	-1000 second of arc to 1000 second of arc	0.3 second of arc
- Clinometer	Calibration for angle in accordance with in-house procedure TPM129 over the following range:	
	-90° to 90°	1 second of arc
- Inclinometer probe	Calibration for angle in accordance with in-house procedure TPM174 over the following range:	
	-30° to 30°	0.02°
- Spirit level	Calibration for angle in accordance with in-house procedure TPM123	0.6 second of arc

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	Accreditation of the following tests is termi	nated
Length and related quantities		
- Angle		
- Square		
- blade type square	Calibration for squareness in accordance with in-house procedure TPM134 over the following range:	
	5 mm to 500 mm	$\sqrt{[3.26^2+(0.0045l)^2]}$ µm where l is the length in mm
- Angle plate and box angle plate (size from 25 mm x 25 mm to 300 mm x 250 mm)	Calibration for the following parameters in accordance with in-house procedure TPM120	
300 mm x 250 mm)	- Squareness - Parallelism	$(3 + 10l) \mu m$ $(1 + 10l) \mu m$ where l is the length in m

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	Accreditation of the following tests is termi	nated
Length and related quantities		
- Form		
- Adjustable parallel (9.5 mm to 60 mm)	Calibration for the following parameters in accordance with in-house procedure TPM184	
	Flatness Parallelism	3 μm 3 μm
- Surface texture sample	Calibration for roughness in accordance with in-house procedure TPM162 over the following ranges:	
	Ra (ISO) from 0.3 to 6.5 μm Ry (ISO) from 1.1 to 23 μm Rz (ISO) from 0.9 to 15 μm	(32Ra) nm, Ra in μm (45Ry) nm, Ry in μm (45Rz) nm, Rz in μm

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	Accreditation of the following tests is termi	nated
Mass and related quantities		
- Pressure		
- Electronic barometer	Calibration for absolute pressure in accordance with in-house procedure TPM212 over the following range:	
	800 hPa to 1100 hPa	0.11 hPa
	On-site calibration for absolute pressure in accordance with in-house procedure TPM207 or TPM212 over the following range:	
	800 hPa to 1100 hPa	0.11 hPa
- Gas pressure balance, pressure gauge, transducer and transmitter	Calibration for the following parameter in accordance with in-house procedure TPM205:	
	- Gauge pressure over the following range: 3.5 kPa to below 5 kPa	(3.5 x 10 ⁻⁵ P) kPa where P is the pressure in kPa
	- Absolute pressure over the following ranges: 1 kPa to below 3.5 kPa Above 3.5 kPa to below 5 kPa	(1 x 10 ⁻⁴ P) kPa (3.5 x 10 ⁻⁵ P) kPa where P is the pressure in kPa
- Hydraulic pressure balance,	Calibration for gauge pressure in accordance with in-house procedure TPM201 over the following ranges:	
	0.5 MPa to below 2 MPa Above 100 MPa to 140 MPa	(2 x 10 ⁻⁴ P) MPa (6 x 10 ⁻⁵ P) MPa where P is the pressure in MPa
- Pressure gauge, transducer and transmitter	Calibration for gauge pressure in accordance with in-house procedure TPM202 over the following ranges:	
	0.5 MPa to below 2 MPa Above 100 MPa to 140 MPa	(2 x 10 ⁻⁴ P) MPa (6 x 10 ⁻⁵ P) MPa where P is the pressure in MPa

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	Accreditation of the following tests is termi	inated
Mass and related quantities		
- Force		
- Push-pull type force gauge (spring tester)	On-site calibration of force by using deadweight in accordance with in-house procedure TPM605 over the following range:	0.10
	0.5 N to 500 N	0.1%
- Torque		
- Torque meter and transducer	Calibration for torque in accordance with in-house procedure TPM603 over the following range:	
	0.05 N⋅m to below 0.1 N⋅m	(2 x 10 ⁻³ T) N·m where T is the torque in N·m
- Torque wrench and screwdriver	Calibration for torque in accordance with in-house procedure TPM601 over the following range:	
	0.05 N⋅m to below 0.1 N⋅m	(1 x 10 ⁻² T) N·m where T is the torque in N·m

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-108, Effective date of termination: 8 November 2022)

The Government of the Hong Kong Special Administrative Region -**Standards and Calibration Laboratory**

香港特別行政區政府 - 標準及校正實驗所

G04, Public Works Central Laboratory Building, 2B Cheung Yip Street, Kowloon Bay, Kowloon 九龍九龍灣祥業街 2 號 B 工務中央試驗所大樓地下 04 室

Calibration Services 校正服務		
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	Accreditation of the following tests is term	inated
Mass and related quantities		
•		
- Force		
 Force proving instruments, load cells, proving rings, load columns and other force measuring devices in tension and compression modes 	Calibration for force using a deadweight or hydraulic force standard machine in accordance with standard method BS 1610: Part 2: 1985 + Amd. 6174 over the following ranges:	
	50 N to 60 kN	0.01 %
	Above 60 kN to 600 kN	0.05 %
	Calibration for force using a deadweight force standard machine in accordance with in-house methods TPF 007 over the following range:	
	50 N to 5 kN	0.01 %
	Calibration for force using a deadweight force standard machine in accordance with in-house methods TPF 008 over the following range:	
	1 kN to 60 kN	0.01 %
	Calibration for force using a deadweight force standard machine in accordance with in-house methods TPF 009 over the following range:	
	10 kN to 600 kN	0.05 %
- Universal testing machines in tension and compression modes	On-site calibration for force using indicated or true force method in accordance with standard methods BS EN ISO 7500-1: 2004, EN ISO 7500-1: 2004 or ISO 7500-1: 2004, over the following ranges:	
	50 N to 60 kN	(Class 00 load cell with a maximum uncertainty of 0.08 %)
	Above 60 kN to 600 kN	(Class 0.5 load cell with a maximum uncertainty of 0.16 %)
	Above 600 kN to 3000 kN	(Class 1 load cell with a maximum uncertainty of 0. 32 %)

List of tests for which accreditation has been terminated

(Notification Letter No.:HOKLAS051-92, Effective date of termination: 8 January 2018)

The Government of the Hong Kong Special Administrative Region – Standards and Calibration Laboratory

香港特別行政區政府 - 標準及校正實驗所

36/F., Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong

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	Accreditation of the following tests is ter	minated
Length and related measurement		
- Length		
- Height setting micrometer (with measurement range up to 600mm)	Head performance Overall performance	0.7 μm between any two points $(2 + 3l)$ μm, height l in m
	(in-house procedure TPM172)	
- Micrometer setting and extension rod	Length: up to 1000 mm	(0.3 + 4l) µm, length l in m
	(in-house procedure TPM153)	
- Depth micrometer checker	Depth between any measuring face and the reference face: up to 300 mm	2.2 μm
	(in-house procedure TPM172)	2.2 p
- Gauge block accessory to BS 4311: Part 2	Dimensions specified in BS 4311: Part 2	0.4 μm
	(in-house procedure TPM104)	
- Length bar accessory to BS 5317	Dimensions specified in BS 5317	0.4 μm
	(in-house procedure TPM104)	
- Riser block for height setting micrometer	Height: 150 mm 300 mm	2.2 μm 2.5 μm
	(in-house procedure TPM172)	

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	Accreditation of the following tests is to	rminated
Length and related measurement		
- Form		
- Vee block	Dimensions:— 20 to 150 mm	3 μm
	(in-house procedure TPM135)	

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	Accreditation of the following tests is terminated as a second se	nated
Environmental monitoring equipment		
Environmental mointoring equipment		
- Carbon monoxide analyser	Carbon monoxide concentration in air or nitrogen:	
	0 μmol/mol to 10 μmol/mol	0.6 μmol/mol
	10 μmol/mol to 20 μmol/mol	0.7 μmol/mol
	20 μmol/mol to 30 μmol/mol	0.9 μmol/mol
	30 μmol/mol to 40 μmol/mol	1.0 μmol/mol
	40 μmol/mol to 50 μmol/mol	2.5 % of measurement values
	50 μmol/mol to 60 μmol/mol	2.3 % of measurement values
	60 μmol/mol to 80 μmol/mol	2.2 % of measurement values
	80 μmol/mol to 100 μmol/mol	2.1 % of measurement values
	(in-house procedure TPI001)	
- Carbon dioxide analyser	Carbon dioxide concentration in air or nitrogen:	
caron diomac analyses	0 μmol/mol	6 μmol/mol
	0 μmol/mol to 100 μmol/mol	7 μmol/mol
	100 μmol/mol to 200 μmol/mol	8 μmol/mol
	200 µmol/mol to 300 µmol/mol	9 μmol/mol
	300 µmol/mol to 400 µmol/mol	11 µmol/mol
	400 μmol/mol to 500 μmol/mol	13 µmol/mol
	500 μmol/mol to 600 μmol/mol	2.5 % of measured values
	600 μmol/mol to 750 μmol/mol	2.4 % of measured values
	750 μmol/mol to 1000 μmol/mol	2.3 % of measured values
	1000 μmol/mol to 1500 μmol/mol	2.2 % of measured values
	1500 μmol/mol to 2000 μmol/mol	2.1 % of measured values
	(in-house procedure TPI002)	
- Oxygen analyser	Oxygen concentration in nitrogen:	
-	0 cmol/mol	0.08 cmol/mol
	0 cmol/mol to 10 cmol/mol	0.15 cmol/mol
	10 cmol/mol to 20 cmol/mol	0.25 cmol/mol
	20 cmol/mol to 30 cmol/mol	0.35 cmol/mol
	30 cmol/mol to 70 cmol/mol	0.40 cmol/mol
	70 cmol/mol to 80 cmol/mol	0.35 cmol/mol
	80 cmol/mol to 90 cmol/mol	0.25 cmol/mol
	90 cmol/mol to 100 cmol/mol	0.15 cmol/mol
	100 cmol/mol	0.08 cmol/mol
	(in-house procedure TPI003)	

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九龍九龍灣祥業街 2 號 B 工務中央試驗所大樓地下 04 室

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
	Accreditation of the following tests is te	rminated
Mass and related measurements		
- Force measurement		
- Force proving instruments, load cells, proving rings, load columns and other force measuring devices in tension and compression modes	Calibration of force in accordance with BS 1610: Part 2: 1985 + Amd. 6174 BS EN ISO 376: 2011 EN ISO 376: 2011 or ISO 376: 2011 over the following ranges:-	Calibrations are conducted using a deadweight or hydraulic force standard machine with the following uncertainties of calibration force:-
	50 kN to 3 000 kN	- 3 000 kN hydraulic force standard machine with an uncertainty of 0.05% from 50 kN to 3 000 kN
	Calibration of force in accordance with the in-house methods TPF 007, TPF 008, TPF 009 and TPF 010 over the following ranges:-	Calibrations are conducted using a deadweight or hydraulic force standard machine with the following uncertainties of calibration force:-
	50 kN to 3 000 kN	- 3 000 kN hydraulic force standard machine with an uncertainty of 0.05% from 50 kN to 3 000 kN