



財團法人全國認證基金會
Taiwan Accreditation Foundation

Certification Accreditation

(Certificate No : L0422-220512)

This is to certify that

I Pao Electronics Co., Ltd.

Calibration Center (Temperature Laboratory)

No. 2, Ln. 159, Jinxi Rd., Yangmei Dist., Taoyuan City 326, Taiwan

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 0422

Originally Accredited : April 01, 1998

Effective Period : May 27, 2022 to May 26, 2025

Accredited Scope : Calibration Field, see described in the Appendix



Scan to verify

Ching-Chang Lien

Ching-Chang Lien
President, Taiwan Accreditation Foundation
May 12, 2022

Accreditation Number : 0422
 Laboratory Head : CHEN, Cain-Yi

Temperature/Humidity

calibration items	working standard brand /model	calibration method document name /no.	measurand level or range				measurement conditions /independent variable explanation	smallest uncertainty	
			minimum value	units	maximum value	units		value	units
KE1001 Liquid-in-glass Thermometer	SPRT ASL/T25-650-1, HART/1529-R	TCP-007	-20	°C	100	°C		0.4	°C
Approval Signatory: KUO, Ching-Hsuan; CHEN, Chien Chuan; CHEN, Cain-Yi; WEI, Wen-Chieh									
KE1002 Platinum Resistance Thermometer	SPRT ASL T25-650-1, HART/1529-R	TCP-004	-25	°C	0	°C		0.32	°C
			> 0	°C	80	°C		0.30	°C
			> 80	°C	150	°C		0.51	°C
			> 150	°C	250	°C		0.51	°C
Approval Signatory: Lin, Yi-Xian; CHEN, Chien Chuan; CHEN, Cain-Yi; WEI, Wen-Chieh									
KE1006 Temperature Indicator Digital Thermometer recorder/controller	Temperature Calibrator/FLUKE 5500A	TCP-002	-100	°C	1350	°C	K type	0.6	°C
			-200	°C	400	°C	T type	0.8	°C
			0	°C	1750	°C	R type	0.8	°C
			-100	°C	1200	°C	J type	0.4	°C
			0	°C	1750	°C	S type	0.7	°C
			-200	°C	1000	°C	E type	0.7	°C
			-200	°C	800	°C	PT100 (385)	0.28	°C
Approval Signatory: Lin, Yi-Xian; CHEN, Chien Chuan; CHEN, Cain-Yi; WEI, Wen-Chieh									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty		
			document name /no.	brand /model	minimum value	units		maximum value	units	value
KE1008 Thermocouple simulator	Temperature Indicator HART 1529-R Temperature Calibrator FLUKE 5500A	TCP-003		-100	°C	1350	°C	K Type	0.6	°C
				-200	°C	400	°C	T Type	0.8	°C
				0	°C	1750	°C	R Type	0.8	°C
				-100	°C	1200	°C	J Type	0.5	°C
				0	°C	1750	°C	S Type	0.8	°C
				-200	°C	1000	°C	E Type	0.7	°C
Approval Signatory: Lin, Yi-Xian; CHEN, Chien Chuan; CHEN, Cain-Yi; WEI, Wen-Chieh										
KE1009 Temperature Calibrator	Temperature Indicator HART 1529-R Temperature Calibrator FLUKE 5500A	TCP-003		-100	°C	1350	°C	K type	0.6	°C
				-200	°C	400	°C	T type	0.8	°C
				0	°C	1750	°C	R type	0.8	°C
				-100	°C	1200	°C	J type	0.5	°C
				0	°C	1750	°C	S type	0.8	°C
				-200	°C	1000	°C	E type	0.7	°C
Approval Signatory: Lin, Yi-Xian; CHEN, Chien Chuan; CHEN, Cain-Yi; WEI, Wen-Chieh										
KE2001 Temperature-Hygrometer Digital Temperature-Hygrometer	Temperature-Hygrometer ROTRONIC/HP22-A	TCP-005		10	°C	50	°C	Temperature	0.62	°C
				10	%	95	%	Relative Humidity	3.1	%
Approval Signatory: CHEN, Ping-Ting; CHEN, Cain-Yi; WEI, Wen-Chieh										



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
			minimum value	units	maximum value	units		value	units
KE2004 Hygro-thermograph	Temperature- Hygrometer ESCORT/EI-HS-D- 32-L	document name /no. TCP-006	20	°C	30	°C	temperature	1	°C
			30	%	85	%	Relative Humidity	4	%
Approval Signatory: CHEN, Ping-Ting; CHEN, Cain-Yi; WEI, Wen-Chieh									
KE2004 Temperature & Humidity Recorder (Display Mode) Digital Temperature & Humidity Recorder (Display Mode)	Temperature- Hygrometer ESCORT/EI-HS-D- 32-L	TCP-006	20	°C	30	°C	temperature	0.5	°C
			30	%	85	%	Relative Humidity	3.8	%
Approval Signatory: CHEN, Ping-Ting; CHEN, Cain-Yi; WEI, Wen-Chieh									

Note: Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.

(Null Below)

