



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

## Certification Accreditation

(Certificate No : L0387-220901)

This is to certify that

**I Pao Electronics Co., Ltd.**

**Calibration Center( Dimensional )**

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** : 0387

**Originally Accredited** : June 15, 1997

**Effective Period** : December 03, 2021 to August 02, 2024

**Accredited Scope** : Calibration Field, see described in the Appendix



Scan to verify

*Ching-Chang Lien*

Ching-Chang Lien  
President, Taiwan Accreditation Foundation  
September 01, 2022

Accreditation Number : 0387  
 Laboratory Head : CHEN, Cian-Yi

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty			
			brand /model	document name /no.	minimum value	units		maximum value	units	value	units
KA1001 Gauge block	Gauge Block MITUTOYO /516-937-60	Gauge Block calibration procedure (Document No.: LCP-007)			0.5	mm	10	mm	STEEL	0.07	μm
					10	mm	25	mm	STEEL	0.08	μm
					25	mm	50	mm	STEEL	0.13	μm
					50	mm	75	mm	STEEL	0.17	μm
					75	mm	100	mm	STEEL	0.23	μm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua											
KA1001 Gauge block	Gauge block CARY/LUX00	Gauge Block calibration procedure (Document No.: LCP-007)			0.5	mm	10	mm	STEEL	0.05	μm
					10	mm	25	mm	STEEL	0.06	μm
					25	mm	50	mm	STEEL	0.10	μm
					50	mm	75	mm	STEEL	0.13	μm
					75	mm	100	mm	STEEL	0.17	μm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua											



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		
KA1001 GAUGE BLOCK (CERAMIC, TUNGSTEN CARBIDE) 122 PCS	Gauge Block MITUTOYO /516-937-60	Gauge Block calibration procedure (Document No.: LCP007)	0.5	mm	10	mm	CERAMIC	0.07	µm		
			>10	mm	25	mm	CERAMIC	0.12	µm		
			>25	mm	50	mm	CERAMIC	0.20	µm		
			>50	mm	75	mm	CERAMIC	0.30	µm		
			>75	mm	100	mm	CERAMIC	0.39	µm		
			0.5	mm	10	mm	TUNGSTEN CARBIDE	0.13	µm		
			>10	mm	25	mm	TUNGSTEN CARBIDE	0.28	µm		
			>25	mm	50	mm	TUNGSTEN CARBIDE	0.55	µm		
			>50	mm	75	mm	TUNGSTEN CARBIDE	0.83	µm		
			>75	mm	100	mm	TUNGSTEN CARBIDE	1.1	µm		
			Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua								



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
KA2003 Caliper (digimatic, dial, vernier)	Caliper Checker /Mitutoyo /515-555 Caliper Checker /Mitutoyo /515-556	Caliper Calibration Procedure (Document No.: LCP-002)	0	mm	300	mm	digimatic-outside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	300	mm	digimatic-inside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	600	mm	digimatic-outside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	600	mm	digimatic-inside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	200	mm	dial-outside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	200	mm	dial-inside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	300	mm	dial-outside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	dial-inside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	dial-outside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	300	mm	dial-inside diameter (resolution: 0.05 mm)	0.05	mm



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
			minimum value	units	maximum value	units		value	units
KA2003 Caliper (digimatic, dial, vernier)	Caliper Checker /Mitutoyo /515-555 Caliper Checker /Mitutoyo /515-556	Caliper Calibration Procedure (Document No.: LCP-002)	0	mm	300	mm	vernier-outside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	vernier-inside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	vernier-outside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	300	mm	vernier-inside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	600	mm	vernier-outside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	600	mm	vernier-inside diameter (resolution: 0.05 mm)	0.05	mm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua									
KA2003 caliper (digimatic, dial, vernier)	Caliper Checker /MITUTOYO 515-555	caliper calibration procedure (Document No.: LCP-002)	0	mm	300	mm	digimatic - outside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	300	mm	digimatic - inside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	200	mm	dial - outside diameter (resolution: 0.01 mm)	0.02	mm
			0	mm	200	mm	dial - inside diameter (resolution: 0.01 mm)	0.02	mm



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
KA2003 caliper (digimatic, dial, vernier)	Caliper Checker /MITUTOYO 515-555	caliper calibration procedure (Document No.: LCP-002)	0	mm	300	mm	dial - outside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	dial - inside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	dial - outside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	300	mm	dial - inside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	300	mm	vernier - outside diameter (resolution: 0.02 mm)	0.04	mm
			0	mm	300	mm	vernier - inside diameter (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	vernier - outside diameter (resolution: 0.05 mm)	0.05	mm
			0	mm	300	mm	vernier - inside diameter (resolution: 0.05 mm)	0.05	mm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua									
KA2005 outside micrometer (digimatic)	Gauge Block /MITUTOYO 516-942 grade 0	outside micrometer calibration procedure (Document No.: LCP-003)	0	mm	25	mm	resolution: 0.001 mm	0.002	mm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua									



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
KA2010 Dial Gauge (Digimatic, Dial Indicator)	Dial Gauge Calibrator MITUTOYO /i-Checker IC1000	Dial Gauge calibration procedure (Document No.: LCP-013)	0	mm	5	Dial Indicator, resolution 0.001 mm	0.001	mm
			0	mm	20	Dial Indicator, resolution 0.01 mm	0.01	mm
			0	mm	25	Digimatic Indicator, resolution 0.001 mm	0.002	mm
Approval Signatory: SHU, Kim-Lung; CHEN, Cian-Yi; HUANG, Hsiu-Hua								

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

(Null Below)

