



證書編號：L1805-100205

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

# 認 證 證 書

茲證明

儀校科技股份有限公司

儀校科技大溪實驗室

桃園縣大溪鎮三元一街 40 號

為本會認證之實驗室

認 證 依 據：ISO/IEC 17025：2005

認 證 編 號：1805

初次認證日期：九十六年三月二十八日

認證有效期間：九十九年三月二十八日至一百零二年三月二十七日止

認 證 範 圍：校正領域，如續頁

董事長

陳 介 山

中華民國九十九年二月五日



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實驗室主管：吳清吉

## 壓力量／真空量

校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KD1001 氣體活塞壓力計	自訂 SCP-PTI-P03 /RUSKA 7250xi	( 7 to 7000 ) kPa	0.01 %
KD1002 液體活塞壓力計	自訂 SCP-PTI-P03 /DRUCK DPI 145	7 kPa to 70 MPa	0.016 %
KD1004 壓力錶 (含遊校)	自訂 SCP-PTI-P01 /RUSKA 7250xi  /DRUCK DPI 145	氣壓(0 to 7.0) MPa  液壓(0 to 70) MPa	0.039 %
KD1005 壓力轉換器(含遊校)	自訂 SCP-PTI-P01 /RUSKA 7250xi  /DRUCK DPI 145	氣壓(0 to 7.0) MPa  液壓(0 to 70) MPa	0.0064 %  0.016 %
KD1007 差壓計(含遊校)	自訂 SCP-PTI-P02 /Pressurements V1600	(6.2 to 1000) Pa (> 1000 to 6000 ) Pa	0.1 % + 1.2 Pa 0.1 % + 3.2 Pa
KD2002 離子真空計(含遊校)	自訂錶 /GP 307 MKS 690A	1.0 E-02 Pa to 1.0 E-04 Pa	13 %
KD2003 電容式真空計 (含遊校)	自訂錶 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 133 kPa	2.2 % 0.01% + 1 Pa
KD2005 熱偶真空計(含遊校)	自訂錶 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 100 kPa	2.2 % 1.3 %



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校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KD2006 真空計(含遊校)	自訂錶 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 133 kPa	2.2 % 0.03 % + 7 Pa

## 溫度/濕度

校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KE2001 溼度計	自訂 SCP-PTI-H01 /溫濕度標準校正器 Thunder Scientific 2500st	(10 to 95) %RH (4.0 to 70) °C	1.3 %RH 0.14 °C
KE2004 溫溼度記錄器	自訂 SCP-PTI-H01 /Thunder Scientific 2500st	(4.0 to 70) °C (10 to 95) %RH	0.14 °C 1.3 %RH

## 電磁量

校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KG3001 照度計	自訂 SCP-PTI-O02 /SPECTROLINE VIS 555/I	(0 to < 100) lx (100 to 1500) lx (>1500 to 4000) lx	2.2 % 1.4 % 2.5 %
KG3002 亮度計	自訂 SCP-PTI-O01 /標準光源 OL-462	(0.5 to 40000) cd/m <sup>2</sup>	1.8 %
KG3007 色度	自訂 SCP-PTI-O01 /標準光源 OL-462	近似 A 光源	x: 0.0023 y: 0.0017
KG3011 彩色分析儀	自訂 SCP-PTI-O01 /Photo Research PR-650	Y:(0.5 to 300) cd/m <sup>2</sup> x: 0 to 0.9 y: 0 to 0.9	Y: 2.9 % x: 0.0039 y: 0.0036
KG3018 相關色溫	自訂 SCP-PTI-O01 /標準光源 OL-462	2000 K to 3000 K	30 K



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## 化學量

校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KI3000 比重計	自訂 SCP-PTI-C01 /KEM DA-505	0.79 to 1.62	0.00020

## 時頻

校正件	校正方法 /最高工作標準件	範圍	最佳 校正能力
KJ0300 轉速計	自訂 SCP-PTI-T01 /TICO 8730	(20 to 30000) rpm	2.0 rpm
離心機(含遊校)  (以下空白)	自訂 SCP-PTI-T02 /LINE SEIKI TM-5010	(20 to 30000) rpm	3 rpm

註：認可最佳校正能力以約 95 %信賴水準擴充不確定度表示。

簽署人姓名	簽署範圍
吳清吉	KD1001,KD1002,KD1004,KD1005,KD1007,KD2002,KD2003,KD2005, KD2006,KE2001,KE2004,KG3001,KG3002,KG3007,KG3011,KG3018, KI3000,KJ0300,KJ0300
廖錦龍	KD1001,KD1002,KD1004,KD1005,KD1007,KD2002,KD2003,KD2005, KD2006,KJ0300,KJ0300





Certificate No.L1805-100205

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## Certificate of Accreditation

This is to certify that

**Precision Technology Inc.**

**Precision Technology Inc. Dasi Calibration Lab.**

No. 40, Sanyuan 1st St., Dasi Township, Taoyuan County, Taiwan, R.O.C.

**is accredited in respect of laboratory**

**Accreditation Criteria** : ISO/IEC 17025:2005  
**Accreditation Number** : 1805  
**Originally Accredited** : March 28, 2007  
**Effective Period** : March 28, 2010 to March 27, 2013  
**Accredited Scope** : Calibration Field, see described in the Appendix

Jay-San Chen  
President, Taiwan Accreditation Foundation  
Date : February 05, 2010



Certificate No.L1805-100205

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Taiwan Accreditation Foundation

Accreditation Number : 1805

Laboratory Head : WU, Ching-Chi

## Pressure/Vacuum

Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KD1001 Gas Lubricated Piston Pressure Gauge	SCP-PTI-P03 /RUSKA 7250xi	( 7 to 7000 ) kPa	0.01 %
KD1002 Liquid Lubricated Piston Pressure Gauge	SCP-PTI-P03 /DRUCK DPI 145	7 kPa to 70 MPa	0.016 %
KD1004 Pressure Gauge (Included On Site Cal.)	SCP-PTI-P01 /RUSKA 7250xi  /DRUCK DPI 145	gas pressure (0 to 7.0) MPa  liquid pressure (0 to 70) MPa	0.039 %
KD1005 Pressure Transducer (Included On Site Cal.)	SCP-PTI-P01 /RUSKA 7250xi  /DRUCK DPI 145	gas pressure (0 to 7.0) MPa  liquid pressure (0 to 70) MPa	0.0064 %  0.016 %
KD1007 Differential Pressure Gauge(Included On Site Cal.)	SCP-PTI-P02 /Pressurements V1600	(6.2 to 1000) Pa (> 1000 to 6000 ) Pa	0.1 % + 1.2 Pa 0.1 % + 3.2 Pa
KD2002 Ionization Vacuum Gauge (Included On Site Cal.)	SCP-PTI-V01 /GP 307 MKS 690A	1.0 E-02 Pa to 1.0 E-04 Pa	13 %



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Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KD2003 Capacitance Diaphragm Vacuum Gauge(Included On Site Cal.)	SCP-PTI-V01 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 133 kPa	2.2 % 0.01% + 1 Pa
KD2005 Thermocouple Vacuum Gauge (Included On Site Cal.)	SCP-PTI-V01 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 100 kPa	2.2 % 1.3 %
KD2006 Vacuum Gauge (Included On Site Cal.)	SCP-PTI-V01 /MKS 690A /YOKOGAWA MT210	0.1 Pa to 1.33 kPa 1.33 kPa to 133 kPa	2.2 % 0.03 % + 7 Pa

Temperature/Humidity

Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KE2001 Hygrometer	SCP-PTI-H01 /Two-Pressure Humidity Generator Thunder Scientific 2500st	(10 to 95) %RH (4.0 to 70) °C	1.3 %RH 0.14 °C
KE2004 Temperature/Humidity Recorder	SCP-PTI-H01 /Two-Pressure Humidity Generator Thunder Scientific 2500st	(4.0 to 70) °C (10 to 95) %RH	0.14 °C 1.3 %RH

Electromagnetics

Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KG3001 Illuminance Meter	SCP-PTI-O02 /SPECTROLINE VIS 555/I	(0 to < 100) lx (100 to 1500) lx (>1500 to 4000) lx	2.2 % 1.4 % 2.5 %



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Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KG3002 Photometer	SCP-PTI-001 /Standard Light Source OL-462	(0.5 to 40000) cd/m <sup>2</sup>	1.8 %
KG3007 Chromaticity Coordinate	SCP-PTI-001 /Standard Light Source OL-462	Approximate A Light Source	x: 0.0023 y: 0.0017
KG3011 CRT OR LCD Color Analyzer	SCP-PTI-001 /Photo Research PR-650	Y: (0.5 to 300) cd/m <sup>2</sup> x: 0 to 0.9 y: 0 to 0.9	Y: 2.9 % x : 0.0039 y : 0.0036
KG3018 Correlated Color Temperature	SCP-PTI-001 /Standard Light Source OL-462	2000 K to 3000 K	30 K

## Chemical

Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KI3000 Hydrometer	SCP-PTI-C01 /KEM DA-505	0.79 to 1.62	0.00020

## Time And Frequency

Calibration items	Calibration Method /Working Standard	Ranges	Best measurement Capability
KJ0300 Tachometer	SCP-PTI-T01 /TICO 8730	(20 to 30000) rpm	2.0 rpm
centrifuge (Included On Site Cal.)  (Null below)	SCP-PTI-T02 /LINE SEIKI TM-5010	(20 to 30000) rpm	3 rpm

Remarks : Best measurement capability represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.



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Approval Signatory	Scope
WU, Ching-Chi	KD1001,KD1002,KD1004,KD1005,KD1007,KD2002,KD2003, KD2005,KD2006,KE2001,KE2004,KG3001,KG3002,KG3007, KG3011,KG3018,KI3000,KJ0300,KJ0300
LIAO, Jin-Long	KD1001,KD1002,KD1004,KD1005,KD1007,KD2002,KD2003, KD2005,KD2006,KJ0300,KJ0300

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The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix