

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY  
CYPRUS ACCREDITATION BODY



**ACCREDITATION CERTIFICATE no. L089-2**

The Board of Governors  
of the Cyprus Organization for the Promotion of Quality  
acting as the authorized Cyprus Accreditation Body  
according to the Article 7 of the Law 156(I)/2002

**grants accreditation to**

***PS Metrology Ltd***  
***Calibration Laboratory***

in Nicosia, Cyprus

which has been assessed according to the Accreditation Criteria for  
Calibration Laboratories as defined in the standard

***CYS EN ISO/IEC 17025:2017***

As **competent to perform the Methods** defined in the Scope of Accreditation referred to in the **Annex** of this certificate; the said Annex represents inextricable part of the certificate. The **Accreditation Scope** can only be modified after a decision of the Cyprus Accreditation Body.

The current Accreditation Certificate, no. **L089-2**, is valid from **11<sup>th</sup> October 2020 until the 10<sup>th</sup> October 2024**.

Accreditation was granted for the first time on the 11<sup>th</sup> October 2016.

Antonis Ioannou  
Director

Date: 18<sup>th</sup> February 2022

*This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (ISO-ILAC-IAF Communiqué, 4/2017).*



**Annex**  
**of the Accreditation Certificate number L089-2**

**Scope of Accreditation**  
**of**  
**PS Metrology Ltd**  
**Calibration Laboratory**

**Valid as from the 11<sup>th</sup> October 2020 until the 10<sup>th</sup> October 2024**

**\*Valid as from the 18<sup>th</sup> February 2022 until the 10<sup>th</sup> October 2024**

<b>Measurand / Calibration item</b>	<b>Range of measurement</b>	<b>Calibration &amp; Measurement Capability (k=2)<sup>1</sup></b>	<b>Remarks</b>
<b>Temperature Measurements</b>			
Temperature / Analog, digital thermometers of direct reading	-80 °C to -18 °C	0,5 °C	Using liquid bath and platinum resistance thermometer
	> -18 °C to 80 °C	0,08 °C	
Temperature / Analog, digital thermometers of direct reading	> 80 °C to 250 °C	0,5 °C	Using temperature block calibrator and platinum resistance thermometer Calibration can also be performed and on-site
	> 250 °C to 650 °C	1,5 °C	Using temperature block calibrator and K type thermocouple thermometer Calibration can also be performed and on-site
*Temperature / Analog, digital thermometers of direct reading	> 650 °C to 1200 °C	2 °C	Using temperature block calibrator and platinum resistance thermometer  Calibration can also be performed and on-site

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
Temperature / dataloggers and temperature indicators	- 40 °C to 80 °C	0,12 °C	Using climatic isothermal chamber and platinum resistance thermometer
Temperature / Climatic and isothermal chambers, ovens, column ovens, incubators, refrigerators, PCR, freezers, furnaces, autoclaves with volume up to 2000 l	-80 °C to 250 °C	0,5 °C	Calibration is carried out in the useful volume of the chamber or at selected point(s).
	> 250 °C to 500 °C	1,0 °C	Calibration is performed on site.
	> 500 °C to 1100 °C	2,0 °C	Using thermocouples type K
*Temperature/Liquid baths with volume up to 100l	0 °C to 250 °C	0,10 °C	Using platinum resistance thermometer or thermocouples type K Calibration is performed on site.
*Temperature /Special Equipment/ Dissolution testers Disintegration testers Thermal reactor	35 °C to 150 °C	0,10 °C	Calibration at one or more point of sample placement using platinum resistance thermometers Calibration can also be performed on-site
<b>Relative Humidity Measurements</b>			
Relative humidity / Analog and digital hygrometers, data loggers	20 % r.h. to 50 % r.h. (at 23 °C)	0,7 % r.h.	Comparative calibration using climatic chamber and a reference hygrometer and platinum resistance thermometer
	50 % r.h. to 95 % r.h. (at 23 °C)	0,8 % r.h.	



Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
<b>Mass Measurements</b>			
Mass / Standard weights	1 mg	0.0020mg	E.I.M., Τεχνική Οδηγία “Προσδιορισμός Μάζας και Διακρίβωση Πρότυπων Βαρών”, OIML R111-1 Edition 2004 “Using Weights of classes E1, E2, F1, F2, M1-2, M2, M2-3 and M3”. Part 1, 2004. OIML D28 Edition 2004
	2mg	0.0020mg	
	5mg	0.0020mg	
	10mg	0.0025mg	
	20mg	0.0033mg	
	50mg	0.0040mg	
	100mg	0.0050mg	
	200mg	0.0065mg	
	500mg	0.0080mg	
	1g	0.010mg	
	2g	0.013mg	
	5g	0.016mg	
	10g	0.020mg	
	20g	0.026mg	
	50g	0.033mg	
	100g	0.053mg	
	200g	0.10mg	
	500g	0.25mg	
	1kg	0.3mg	
	2kg	2mg	
5kg	3mg		
10 kg	5mg		
20 kg	250mg		

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
<b>Weighing Instruments</b>			
<b>Non-automatic weighing machines</b>	1 mg	0.006mg	Using standard weights of OIML class E1
	2 mg	0.006mg	
	5 mg	0.006mg	
	10 mg	0.006mg	
	20 mg	0.006mg	
	50 mg	0.006mg	
	100 mg	0.006mg	
	200 mg	0.006mg	
	500 mg	0.006mg	
	1 g	0.03mg	
	2 g	0.04mg	
	5 g	0.05mg	
	10 g	0.06mg	
	20 g	0.08mg	
	50 g	0.1mg	
	100 g	0.5mg	
	200 g	0.3mg	Using standard weights of OIML class E2
	500 g	0.8mg	
	1 kg	5mg	
	2kg	3mg	
	5kg	8mg	
10kg	50mg	Using standard weights of OIML class F1	
20kg	100mg		
>20kg to 4200kg	$5 \times 10^{-5} m$ m.τιμή μάζας σε kg	Using standard weights of OIML class M1	
>4200kg to 60000kg	$(5 \times 10^{-5} m + 0.5 \times N) kg$ m.τιμή μάζας σε kg N.αριθμός υποκατάστατων φορτίων	According to guide EURAMET/cg-18/v.4.0 (11/2015)  Calibration can be performed on-site	

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
<b>Dimensional Measurements</b>			
Test Sieves	20 µm to 0.5 mm	1.5 µm (µε φακό x50)	According to guide ISO 3310-1:2016 ISO 3310-2:2013 ASTM E-11:2017 ES ISO 5223:2001 EN 933-3:2012
	0.5 mm to 30mm	3.5 µm (µε φακό x10)	
	30mm to 125 mm	15 µm (µε παχυμετρο )	
*Length / Calipers, analog and digital	1 mm to 100 mm	14 µm	Calibration according to guide: VDI/VDE/DGQ/2618/ Part 9.1
<b>Volume Measurements</b>			
*Volume / Piston operated pipettes	0,1 µl to 100 µl	0,06 µl	Calibration according to guide: CYS EN ISO 8655-2 CYS EN ISO 8655-6
	> 100 µl to 1000 µl	0,6 µl	
	> 1000 µl to 10ml	6 µl	
*Volume / Glass - Plastic - Metallic Volumetric vessels, Flasks, Containers,	1 ml to 100 ml	0,065 %	Calibration according to standards: EURAMET/cg-19/v2.1:2012
	>100 ml to 1000 ml/	0,04 %	
<b>Frequency Measurements</b>			
*Revolution frequency / Centrifuges, Centrifuge extractors, Mixers	60 rpm to 60000 rpm	3,0 rpm	Using tachometer  Calibration can also be performed on-site



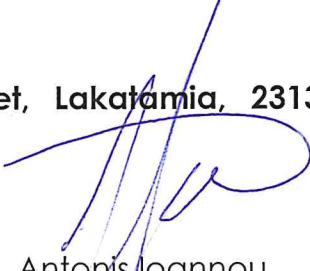
Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
<b>Force Measurements</b>			
*Force / Universal Materials Testing Machines - Compression	10 kN to 3000 kN Class 1, 2 and 3 machines to CYS EN ISO 7500-1:2018	0,5%	Verification and calibration of the force measuring system by force proving instruments.  Calibration also includes the alignment and restraint of the upper machine platen, hardness and roughness of machine platens and spacing blocks as per CYS EN 12390-4:2019.  Calibrations is performed on-site.
*Compression Testing Machines for Concrete - Rate of application of force (Pacer rate)	1 kN/s to 100 kN/s	0,5 %	According to the requirements of CYS EN 12390-4:2019  Calibrations is performed on-site.
*Compression Testing Machines for Concrete - Flatness of Platens and Spacing Blocks	40 mm to 300 mm	3,5 µm	According to the requirements of CYS EN 12390-4:2019  Calibrations is performed on-site.
<b>Pressure measurements</b>			
*Relative Pressure/ Relative pressure gauges of direct reading, analog – digital, Pressure recorders	3 bar to 700 bar	0,2%	Medium: Oil or water According to Guide EURAMET/cg-17/ v.4:4/2019 DKD-R6-1:3/2014 Calibration can also be performed on-site
	-500 Pa to 500 Pa	15Pa	Medium: air According to Guide EURAMET/cg-17/ v.4:4/2019 DKD-R6-1:3/2014 Calibration can also be performed on-site

<sup>1</sup> Where Calibration Measurement Capability is expressed without the corresponding units, it denotes relative values.

**Authorised person to sign all calibration reports is Mr Petros Evangelides.**

**General Remarks**

**Permanent laboratory premises: 5 Limnis Street, Lakatamia, 2313,  
Nicosia, Cyprus.**



Antonis Ioannou  
Director

Date: 18<sup>th</sup> February 2022