

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY  
CYPRUS ACCREDITATION BODY



**ACCREDITATION CERTIFICATE no. L068**

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**

***CNE TECHNOLOGY 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 17025:2005***

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. **L068**, is issued on the **18<sup>th</sup> June 2019** and is valid until the **31<sup>st</sup> December 2019**.

Accreditation was granted for the first time on the 27<sup>th</sup> February 2015.

Antonios Ioannou  
Director

Date: 18 June 2019

*This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (ISO-ILAC-IAF Communiqué, 08/01/2009).*



**Annex**  
**of the Accreditation Certificate number L068**

**Scope of Accreditation**  
**of**  
**CNE TECHNOLOGY Ltd**  
**Calibration Laboratory**

Valid as from the 27<sup>th</sup> February 2015 until the 31<sup>st</sup> December 2019.

\*Valid as from the 01<sup>st</sup> November 2016 until the 31<sup>st</sup> December 2019.

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
<b>Mass Measurements</b>			
Mass / Standard weights	1 mg	0,014 mg	According to recommendation OIML R111 (2004)
	2 mg	0,014 mg	
	5 mg	0,014 mg	
	10 mg	0,014 mg	
	20 mg	0,015 mg	
	50 mg	0,017 mg	
	100 mg	0,017 mg	
	200 mg	0,017 mg	
	500 mg	0,017 mg	
	1 g	0,022 mg	
	2 g	0,022 mg	
	5 g	0,023 mg	
	10 g	0,023 mg	
	20 g	0,032 mg	

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
	50 g	0,14 mg	
	100 g	0,15 mg	
	200 g	0,18 mg	
	500 g	1,0 mg	
	1 kg	2,0 mg	
	2 kg	3,0 mg	
	5 kg	10 mg	
	10 kg	100 mg	
	20 kg	100 mg	
Mass / Non-automatic electronic weighing instruments	1 mg	0,0035 mg	Using standard weights of OIML class E1
	2 mg	0,0035 mg	
	5 mg	0,0035 mg	
	10 mg	0,0035 mg	
	20 mg	0,0035 mg	
	50 mg	0,0046 mg	
	100 mg	0,006 mg	
	200 mg	0,007 mg	
	500 mg	0,009 mg	
	1 g	0,012 mg	
	2 g	0,014 mg	
	5 g	0,018 mg	
	10 g	0,023 mg	
	20 g	0,029 mg	
	50 g	0,12 mg	Using standard weights of OIML class E2
	100 g	0,19 mg	
	200 g	0,35 mg	
	500 g	0,9 mg	Using standard weights of OIML class F1
	1 kg	5,8 mg	
	2 kg	12 mg	

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
	5 kg	29 mg	Using standard weights of OIML class F2
	10 kg	58 mg	
	> 11 kg to 30 kg	$2,0 \cdot 10^{-5}$	Using standard weights of OIML class M1
	> 30 kg to 500 kg	$6,0 \cdot 10^{-5}$	
			According to guide EURAMET/cg-18/v.4.0 (2015)  Calibration can be performed on-site
<b>Temperature Measurements</b>			
Temperature / Analog, digital thermometers of direct reading	- 80 °C to 300 °C	0,05 °C	Using liquid bath and platinum resistance thermometer
	> 300 °C to 400 °C	0,5 °C	Using temperature block calibrator and platinum resistance thermometer
	> 400 °C to 1100 °C	2,0 °C	Using temperature block calibrator and N type thermocouple thermometer
Temperature / Analog, digital thermometers of direct reading	- 25 °C to 400 °C	0,1 °C ... 0,5 °C	Using temperature block calibrator and platinum resistance thermometer  Calibration can be performed on-site
Temperature / Temperature dataloggers and temperature indicators	- 20 °C to 150 °C	0,5 °C	Using climatic isothermal chamber and platinum resistance thermometer.
*Infrared thermometers, pyranometers with digital indication	-25 °C to 0 °C	1,0 °C	According to guide VDI/VDE 3511 part 4.4 (2005)
	> 0 °C to 130 °C	0,6 °C	
Temperature / Temperature dry block calibrators	-40 °C to 300 °C	0,05 °C	According to guide EURAMET/cg-13/v.4.0 (2017)
	300 °C to 400 °C	0,5 °C	
	400 °C to 1100 °C	1,6 °C	

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
Temperature / Climatic and isothermal chambers, ovens, column ovens, incubators, refrigerators, freezers, furnaces, autoclaves with volume up to 2000 l	-40 °C to 300 °C	0,25 °C	According to guide DKD-R 5-7 (2004)
	> 300 °C to 400 °C	1,0 °C	Calibration can be performed on-site
	> 400 °C to 1100 °C	2,0 °C	Using thermocouples type K Calibration can be performed on-site
Temperature / Liquid baths with volume up to 100 l	-40 °C to 300 °C	0,25 °C	Using PT100 thermometers and thermocouples type K thermometers Calibration can be performed on-site
<b>Relative Humidity Measurements</b>			
Relative humidity / Analog and digital hygrometers, data loggers	15 % r.h. to 95 % r.h. (at 23 °C)	1,5 % r.h.	Comparative calibration using climatic chamber and a reference hygrometer
<b>Pressure Measurements</b>			
Pressure (relative) / Analog and digital gauge pressure measuring instruments of direct reading	1 bar to 700 bar	0,05 %	Oil pressure medium using pressure balance. According to guide DKD-R 6-1 (2014)
	1 bar to 700 bar	0,25 %	Oil or water medium. According to guide DKD-R 6-1 (2014) Calibration can be performed on-site
	-0,95 bar to -0,1 bar	0,5 %	Gas pressure medium. According to guide DKD-R 6-1 (2014)
	5,0 mbar to 25,0 mbar	0,5 %	
	0,1 bar to 10 bar	0,25 %	Calibration can be performed on-site

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
	10 bar to 200 bar	0,5 %	
Pressure (absolute) / Analog and digital gauge pressure measuring instruments of direct reading	0,9 bar to 7 bar	0,1 %	Gas pressure medium. According to guide DKD-R 6-1 (2014)
<b>Force Measurements</b>			
Force / Compression testing machines	1 kN to 50 kN	0,1 %	According to standard CYS ISO 7500-1 (2015)
	50 kN to 300 kN	0,26 %	
	300 kN to 3000 kN	0,26 %	Calibration can be performed on-site
<b>Dimensional Measurements</b>			
Length/ Calipers			According to guide VDI/VDE/DGO 2618, part 9.1 (2006)
Analog			
- Division 20 µm	0 mm to 200 mm	12 µm	
- Division 50 µm	0 mm to 200 mm	29 µm	
- Division 100 µm	0 mm to 200 mm	58 µm	
Digital			
- Division 10 µm	0 mm to 200 mm	6 µm	
<b>Volume Measurements</b>			
Volume / Piston operated pipettes	0,1 µl to 1 µl	0,03 µl	According to standards CYS EN ISO 8655-6:2002/Cor 1:2009
	1 µl to 100 µl	0,06 µl	
	> 100 µl to 1000 µl	0,12 µl	
	> 1000 µl to 10000 µl	0,6 µl	

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2) <sup>1</sup>	Remarks
Volume / Glass pipettes, Dispensers, Burettes, Volumetric flasks, Volumetric cylinders, Syringes	1 ml to 100 ml	0,065 % to 0,04 %	According to PTB-Mitteilungen 112 (2002) No. 2, pp.139-149
	100 ml to 2000 ml	0,1 % to 0,04 %	

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

**Authorised persons** to sign calibration reports are **Dr Elias Psimolophitis and Mr Eracles Eracleous**.

### General Remarks

This Annex refers **only for calibrations** performed **on site and on permanent Laboratory premises**, at the following address: Democratias 5 Str, Ergates Industrial Estate, 2643 Nicosia, Cyprus.



Antonis Ioannou  
Director

Date: 18 June 2019

