Hellenic Accreditation System

Annex F2/10 to the Certificate No. **1094**-5

SCOPE OF ACCREDITATION
of the
Calibration Laboratory
of
PANTELIDIS SINGLE MEMBER S.A.
DISTINCTIVE TITLE: PANMETRO

Calibration item / Parameters	Range of measurement	Expanded Measurement Uncertainty (k=2)*	Remarks
Mass Measurements			
Standard weights	10 kg	0,16 g	Calibration according to guide OIML R 111-1:2004. Calibration capability of standard weights up to (including) OIML class M1.
	20 kg	0,3 g	
	50 kg	2,5 g	Calibration according to guide PTB Bericht PTB-MA-80e (2007). Calibration capability of standard weights up to (including) OIML class M2.
	100 kg	5 g	
	500 kg	25 g	Calibration according to guide OIML R 111-1:2004. Calibration capability of standard weights up to (including) OIML class M2.
	1000 kg	50 g	
Non-automatic weighing instruments	1 mg	0,14 mg	Calibration according to guide EURAMET /cg-18/v.04 (11/2015). Use of standard weights of OIML R 111 class: M1 in range 1 mg to 20 kg. (max grouped load: 628,8 kg) M2 in range 50 kg to1 t. (max grouped load: 20,3 t) Calibration is performed on-site.
	2mg	0,24 mg	
	5 mg	0,24 mg	
	10 mg	0,30 mg	
	20mg	0,37 mg	
	50 mg	0,49 mg	
	100 mg	0,61 mg	
	200 mg	0,73 mg	
	500 mg	0,97 mg	

Calibration item / Parameters	Range of measurement	Expanded Measurement Uncertainty (k=2)*	Remarks
Non-automatic weighing instruments (continued)	1 g	1,2 mg	
	2 g	1,5 mg	
	5 g	2,0 mg	
	10 g	2,4 mg	
	20 g	3,0 mg	
	50 g	3,7 mg	
	0,1 kg to 5 kg	$6{,}1 \times 10^{-5}$	
	10 kg to 600 kg	$6{,}1 \times 10^{-5}$	
	600 kg to 20 t	$2{,}0 \times 10^{-4}$	
	0,5 t to 3 t	$2\sqrt{(3{,}04 \times 10^{-5} I)^2 + (N \times \frac{d^2}{6})}$	Calibration according to guide EURAMET /cg-18/v.04 (11/2015), using substitution loads. Where: I: max load indication in kg d: instrument resolution in kg N: number of substitution loads Calibration is performed on-site.
	3 t to 60 t	$2\sqrt{(9{,}74 \times 10^{-5} I)^2 + (N \times \frac{d^2}{6})}$	

* *Where the expanded uncertainty (with coverage probability 95 %) is accompanied by the corresponding unit, it is absolute, while where it is not accompanied by a unit, it is relative.*

The Calibration & Measurement Capability (CMC) includes the measurand, the measurement range and the measurement uncertainty and expresses the smallest measurement uncertainty that can be achieved in a calibration.

Permanent Laboratory premises address: **12th klm O.N.R. Thessaloniki - Kilkis, 54500, Thessaloniki**.
Approved Signatories: **Georgios Pantelidis**.

This scope of Accreditation replaces the previous one dated 17.02.2025.
The Accreditation Certificate No. **1094**-5, to ELOT EN ISO/IEC 17025:2017, is valid until 11.06.2030.

Athens, 29.08.2025

Konstantinou Evangelos Apostolos
CEO of ESYD