

Hellenic Accreditation System



Annex F2/9 to the Certificate No. **1062-2**

SCOPE of ACCREDITATION of the **Calibration Laboratory** **MED CONTROL SERVICES O.E.** **PAPANIKOLAS ANTONIS & CO O.E.**

Calibration item / Parameters	Range of measurement	Expanded Measurement Uncertainty (k=2)*	Remarks
Volume Measurements			
Liquid volume / Fixed storage tanks including alcoholic beverages tanks	0.5 m ³ to 10 m ³	0.13 % of nominal volume	Volumetric method using flow meter according to: ISO 4269:2001 Calibration medium: <ul style="list-style-type: none">- Water- Liquid hydrocarbons (gasoline, diesel oil, bio-diesel, JET A1) = for fuel tanks only Calibration is performed on site.
	10 m ³ to 200 m ³	0.08 % of nominal volume	
Liquid volume / Road tankers	0.5 m ³ to 10 m ³	0.13 % of nominal volume	Volumetric method using flow meter according to: <ul style="list-style-type: none">- ISO 4269:2001- OIML R 80-2:2017 – Annex B Calibration medium: <ul style="list-style-type: none">- Water- Liquid hydrocarbons (gasoline, diesel oil, bio-diesel, JET A1) Calibration is performed on site.
	10 m ³ to 80 m ³	0.08 % of nominal volume	
Liquid Volume / Horizontal cylindrical tanks including alcoholic beverages tanks	5 m ³ to 400 m ³	0.03 % of nominal volume	Geometric method using strapping tape according to: <ul style="list-style-type: none">- ISO 12917-1:2017- ISO 7507-1:2003 (other measurements) Calibration is performed on site.

Calibration item / Parameters	Range of measurement	Expanded Measurement Uncertainty (k=2)*		Remarks
Liquid volume / Vertical cylindrical tanks including alcoholic beverages tanks	15 m ³ to 200000 m ³ maximum tank diameter: 100 m	Volume (m ³)	Uncertainty (%)	Geometric method using strapping tape according to: ISO 7507-1:2003 Calibration is performed on site.
		15	0.28	
		30	0.17	
		200	0.12	
		2000	0.12	
		≥10000	0.11	
		of nominal volume		
	above 250 m ³ minimum tank diameter: 8 m	Volume (m ³)	Uncertainty (%)	Geometric method using total station according to: - ISO 7507-3:2006 - ISO 7507-1:2003 (other measurements) Calibration is performed on site.
		250	0.19	
		500	0.13	
		2000	0.09	
		10000	0.07	
		≥ 30000	0.06	
		of nominal volume		
	above 200 m ³ minimum tank diameter: 5 m	Volume (m ³)	Uncertainty (%)	Geometric method using total station according to: - ISO 7507-4:2010 - ISO 7507-1:2003 (other measurements) Calibration is performed on site.
		200	0.16	
		2000	0.09	
		10000	0.07	
		≥ 40000	0.06	
		of nominal volume		

* Where the expanded uncertainty (with 95 % coverage) 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 measured quantity, the measurement range and the measurement uncertainty, expressing the minimum measurement uncertainty which can be achieved in a calibration.

Permanent laboratory premises address: **Schina 37, Megara 19100, Greece**

Approved Signatories: **N. Papanikolas, S. Papanikolas**

This Scope of Accreditation replaces the previous one dated 09.09.2024.

The Accreditation Certificate No. **1062-2**, to ELOT EN ISO/IEC 17025:2017, has been extended according to ESYD's decision and it is valid until 29.06.2025.

Athens, 27.03.2025


 Konstantinou Evangelos Apostolos
 CEO of ESYD