

Hellenic Accreditation System



ACCREDITATION CERTIFICATE

No. 1120-3

The Hellenic Accreditation System (ESYD), as the national accreditation body of Greece in accordance with the Law 4468/2017,

ACCREDITS

the

Laboratory of Thermal Turbomachines (LTT)

of the

School of Mechanical Engineering

of the

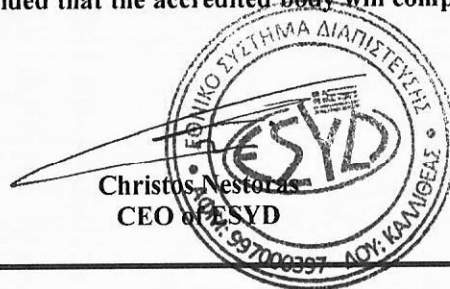
National Technical University of Athens

in Zografou, Attiki, Greece

under the terms of the ELOT EN ISO/IEC 17025: 2017 Standard and the ESYD Criteria, to carry out measurements, as specified in the attached Scope of the Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on 29.03.2018. This Certificate renews the accreditation, and it is valid until 28.03.2026, provided that the accredited body will comply with the above Standard and the ESYD Criteria.

Athens, 11.10.2022



Hellenic Accreditation System



Annex F2/7 to the Certificate No. **1120-3**

SCOPE of ACCREDITATION

of the
Laboratory of Thermal Turbomachines (LTT)
of the
School of Mechanical Engineering
of the
National Technical University of Athens
for the performance of calibrations

Calibration item / Parameters	Range of measurement	Expanded measurement uncertainty (k=2)*	Remarks
Flow rate measurements			
Gas flow meters of type: - Diaphragm - Rotary - Turbine			Calibration according to: OIML R 137:2012 (E) EN 1359: 2017 EN 12480:2018 EN 12261:2018 Calibration medium: air at atmospheric conditions.
	0,006 m ³ /h to 0,04 m ³ /h	0,63 %	Using drum type gas flow master meter.
	0,04 m ³ /h to 0,1 m ³ /h	0,79 %	
	0,1 m ³ /h to 0,36 m ³ /h	0,38 %	
	0,16 m ³ /h to 0,25 m ³ /h	0,65 %	Using rotary type gas flow master meters.
	0,25 m ³ /h to 0,65 m ³ /h	0,50 %	
	0,65 m ³ /h to 1600 m ³ /h	0,35 %	

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

Calibration & Measurement Capability (CMC), includes the measured quantity, measurement range and measurement uncertainty and expresses the smallest measurement uncertainty that can be achieved during a calibration.

Permanent laboratory premises address: **9, Iroon Politechniou str., 157 80 Zografou Campus, Zografou, Attiki, Greece.**

Approved signatories: **Konstantinos Mathioudakis, Nikolaos Aretakis.**

This Scope of Accreditation replaces the previous one dated 11.10.2022.

The Accreditation Certificate No.**1120**-2 to ELOT EN ISO/IEC 17025:2017, is valid until 28.03.2026.

Athens, 25.01.2024

Christos Nestoras
CEO of ESYD