Hellenic Accreditation System

ACCREDITATION CERTIFICATE

No. 1120

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: 2005 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.

This Certificate is valid until 28.03.2022, provided that the accredited body will comply with the above Standard and the ESYD Criteria.

Athens, March 29th 2018

Konstantinos Voutsinas
Managing Director, ESYD

ESYD is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement for the activities covered by this certificate.

Hellenic Accreditation System

Annex F2/1 to the Certificate No. **1120**

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

Measurand / Calibration item	Range of measurement	Calibration & Measurement Capability (k=2)*	Remarks
Flow rate measurements			
Air at environmental conditions passing through the meter to be calibrated / Diaphragm gas flow meters, rotary gas flow meters, turbine gas flow meters	0,006 m3/h …0,04 m3/h	0,63%	Volumetric method using drum type gas flow master meter. Calibration medium: air at environmental conditions. Standards followed: OIML R 137:2012 (E) EN1359:1998/A1:2006 EN 12480:2015/ MARCH 2015 EN 12261:2002 E/ APRIL 2002
	0,04 m3/h …0,1 m3/h	0,79%	
	0,1 m3/h …0,36 m3/h	0,38%	
Air at environmental conditions passing through the meter to be calibrated / Diaphragm gas flow meters, rotary gas flow meters, turbine gas flow meters	0,16 m3/h … 0,25 m3/h	0,65%	Volumetric method using rotary gas flow master meters. Calibration medium: air at environmental conditions. Standards followed: OIML R 137:2012 (E) EN1359:1998/A1:2006 EN 12480:2015/ MARCH 2015 EN 12261:2002 E/ APRIL 2002
	0,25 m3/h … 0,65 m3/h	0,50%	
	0,65 m3/h … 1600 m3/h	0.35%	

** Where uncertainty is accompanied by the corresponding unit, it is absolute, while where it is not accompanied by a unit, it is relative.*

Site of assessment: **Permanent Laboratory Premises, 9, Iroon Politechniou str., 157 80 Zografou Campus, Zografou, Attiki, Greece.**
Approved signatories: **Kostas Mathioudakis, Nikolaos Aretakis.**

The Accreditation Certificate No.**1120** to ELOT EN ISO/IEC 17025:2005, is valid until 28.03.2022.

Athens, 29 March 2018

Konstantinos Voutsinas
Managing Director of ESYD