

# Hellenic Accreditation System



## ACCREDITATION CERTIFICATE

No. 02-7

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

ACCREDITS

the  
**Solar & other Energy Systems Testing Laboratory**  
of the  
**NCSR «DEMOKRITOS»**  
in  
Agia Paraskevi Attiki, Greece

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

The initial certificate was issued on 18.07.2000. This Certificate renews the accreditation and it is valid until 17.07.2029 and it is subject to continuing compliance of the accredited body with the Regulations and the Criteria of ESYD.

Athens, 02.12.2024



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

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Annex F1/14 to the Certificate No. 02-7

## SCOPE of ACCREDITATION of the Solar & other Energy Systems Testing Laboratory of the NCSR “DEMOKRITOS”

Tested material/ products	Types of tests/ Properties measured	Applied Standards
Performance tests		
Glazed liquid heating solar collectors	Steady-state outdoor tests: 1. Thermal output 2. Effective thermal capacity 3. Time constant 4. Incidence angle modifiers 5. Pressure drop 6. Internal pressure 7. High temperature resistance 8. Stagnation temperature 9. Exposure 10. External thermal shock 11. Internal thermal shock 12. Rain penetration 13. Impact resistance 14. Mechanical load	ISO 9806:2017
Domestic solar water heating systems	1. Tests for system performance characterization and yearly performance prediction 2. Over temperature protection 3. Pressure resistance	ELOT EN 12976-2:2019 ISO 9459-2:1995 ISO 9459-5:2007

Site of assessment: **Permanent laboratory premises, Neapoleos 27 & Patriarxou Grigoriou E', 15341, Aghia Paraskevi, Attiki**

Approved signatory: **S. Babalis, E. Mathioulakis**

This Scope of Accreditation replaces the previous one dated 17.06.2024.

The Accreditation Certificate No. 02-7, to ELOT EN ISO/IEC 17025:2017, is valid until 17.07.2029.

Athens, 02.12.2024

