

BAS reg. № 23 ЛК

From: 29.04.2022

Valid until: 31.08.2024

CERTIFICATE OF ACCREDITATION

EMSYST-6 LTD.

Calibration Laboratory EMSYST

Management and laboratory address:

1784 Sofia, 133 Tsarigradsko shose Blvd, BIC IZOT, Office 304

UIC: 121599480

Scope of accreditation

To perform calibration of:

Electronic standard electricity meters, single-phase and three-phase, for active energy; Electronic standard electricity meters, single-phase and three-phase, for reactive energy; Fixtures using standard electricity meter for metrological verification of electricity meters, single-phase and three-phase, for active and reactive energy; Flow rate meters and portable flow rate meter stations, calibrated with operating fluid water.

ACCREDITED ACCORDING TO БДС EN ISO/IEC 17025:2018

Order № A 280/29.04.2022 is an integral part of the Certificate of Accreditation, total 4 pages

Date of initial accreditation: 21.01.2008

Re-accreditation date: 31.08.2020

Executive director:

Eng. Irena Borislavova





ORDER

№ A 280

Sofia, 29.04.2022

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with item 5.3.1. of the BAS QR 2 Accreditation Procedure, report reg. № 26 /23 ЛК/30/В/01.04.2021 and EA BAS order reg. № A 279/29.04.2022, I hereby

AMEND

EA BAS order reg. № 170/01.03.2022,

**of EMSYST-6 LTD.
Calibration Laboratory EMSYST**

Management and laboratory address:

1784 Sofia, 133 Tsarigradsko shose Blvd, BIC IZOT, Office 304

To perform calibrating of:

Type of the scope: *Fixed*

№	Measuring Instrument	Measure and, Measure ment Unit	Measurement Range	Measurement Uncertainty	Calibration Method
1	2	3	4	5	6
1	Standard Electricity Meters- Electronic, Single-Phase and Three-Phase for Active Energy	Electrical Energy, Active, kWh	Per phase From 1,25 Ws to 21,6.10 ⁶ Ws Voltage: from 50 V to 300 V Current: from 0,05 A to 120 A Power Factor: from 1 to 0,5 lagging, or from 1 to 0,8 leading Time from 1 s to 600 s	0,040 % 0,065% for 300 V	WI 7.6.1-1 № E-MK-01/20

2	Standard Electricity Meters - Electronic, Single-Phase and Three-Phase for Reactive Energy	Electrical Energy, Reactive, kVArh	Per phase From 1,25 vars to 21,6.10 ⁶ vars Voltage from 50 V to 300 V Current from 0,05 A to 120 A Power Factor from 1 to 0,5 lagging, or from 1 to 0,8 leading Time from 1 s to 600 s	0,045 %	WI 7.6.1-1 Nº E-MK-01/20
3	Fixtures with Standard Electronic Electricity Meter for Metrological Verification of Electricity Meters, Single-Phase and Three-Phase, for Active and Reactive Energy	Electrical Energy, Active, kWh, and Reactive, kVArh	Per phase from 1,25 Ws to 21,6.10 ⁶ Ws From 1,25 vars to 21,6.10 ⁶ vars Voltage from 50 V to 300 V Current: from 0,05 A to 120 A Power Factor: 1 to 0,5 lagging, or from 1 to 0,8 leading Time from 1 s to 600 s	for Active Energy 0,040 % up to 230V 0,065% from 231V to 300 V for Reactive Energy 0,045 %	WI 7.6.1 – 4 Nº EY-MK-04/20
4	Flow Rate Meters and Portable Flow Rate Meter Stations Using Water as Operating Fluid	Volume, m ³	From 0,001 m ³ to 0,3 m ³ For flow rate meters of ranges: from 0,006 m ³ /h to 30,0 m ³ /h from 30,0 m ³ /h to 70,0 m ³ /h	0,10 % 0,20%	WI 7.6.1 – 2 Nº P-MK-01/20

References:

1. WI 7.6.1-1 Nº E-MK-01/20 "Calibration Methodology for Standard Electronic Electricity Meters", validated on 17. 07. 2020
2. WI 7.6.1-4 Nº EY-MK-04/20 "Calibration Methodology for Fixtures with a Standard Electricity Meter for Metrological Verification of single-phase and three-phase electricity meters for active and reactive energy", validated on 17. 07. 2020
3. WI 7.6.1 – 2 Nº P-MK-01/20 "Calibration Methodology for Flow Rate Meters and Portable Flow Rate Meter Stations", validated on 03. 09. 2020

Notes:

1. For measurement instruments of positions 1, 2 and 3, the calibrations shall be carried out in the laboratory premises, and on the customer's site
2. For measurement instruments of position 4, the calibrations shall be carried out only in the laboratory premises.

I ORDER

To issue the Certificate of accreditation reg. № 23 ЛК/29.04.2022, valid until 31.08.2024 and this order as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from the manager / representative of the EMSYST-6 Ltd., head of the Calibration Laboratory EMSYST at EMSYST-6 Ltd, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 23 ЛК/01.03.2022, valid until 31.08.2024 and its enclosure EA BAS order reg.№ A 170/01.03.2022.

This order shall be notified to the EMSYST-6 Ltd. within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

