



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 86

Sofia, 12.03.2025

Pursuant to Art. 10, para. 1, item 2, Art. 20, Para. 6 of the Law on National Accreditation of Conformity Assessment Bodies, item 4 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 46-ЛК/23.01.2024, assessment reports reg. № 46-ЛК/9/В/23.10.2024, reg. № 46-ЛК/6/В/17.02.2025 and statement of the Accreditation Commission reg. № 46-ЛК/7/В/06.03.2025, I hereby

ACCREDIT

AERO TECHNIC BG LTD.

IN LAB AERONAUTIC CALIBRATION LABORATORY

Management and laboratory address:

1839, Sofia, Vrazhdebna, 8-th Str, Hangar Heli ER SAU

To perform calibrating of:

Type of the scope: *Fixed*

№	Measuring Instrument	Measured value and, Measure ment Unit	Measurement Range	Measurement Uncertainty	Calibration Method
1	2	3	4	5	6
Electrical Quantities					
1.	Voltmeters for DC voltage ^{(1),(2)}	DC Voltage (DCU), V	from 0.02 V to 0.2 V from 0.2 V to 2 V from 2 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 5.9E-05 V to 6.4E-05 V from 6.4E-05 V to 6.1E-04 V from 6.1E-04 V to 6.1E-03 V from 6.1E-03 V to 6.3E-02 V from 6.3E-02 V to 5.9E-01 V	РПК-7.2.1-03:2024
2.	Voltmeters for AC voltage ^{(1),(2)}	AC Voltage (ACU), V	At 50 Hz frequency: from 0.02 V to 0.2 V from 0.2 V to 2 V from 2 V to 20 V from 20 V to 200 V from 200 V to 1000 V At 1 kHz frequency: from 0.02 V to 0.2 V from 0.2 V to 2 V	from 1.2E-04 V to 5.4E-04 V from 5.4E-04 V to 5.3E-03 V from 5.3E-03 V to 5.1E-02 V from 5.1E-02 V to 4.2E-01 V from 4.2E-01 V to 1.4 V from 1.3E-04 V to 5.4E-04 V from 5.4E-04 V	РПК-7.2.1-03:2024

Type of the scope: *Fixed*

№	Measuring Instrument	Measured value and, Measure ment Unit	Measurement Range	Measurement Uncertainty	Calibration Method
1	2	3	4	5	6
			from 2 V to 20 V from 20 V to 200 V from 200 V to 1000 V	to 5.4E-03 V from 5.4E-03 V to 5.1E-02 V from 5.1E-02 V to 4.2E-01 V from 4.2E-01 V to 1.8 V	
3.	Ampere meters for DC current	Direct Current DCI, A	from 20 μ A to 200 μ A from 0,2 mA to 2 mA from 2 mA to 20 mA from 20 mA to 200 mA from 0,2 A to 2 A	from 9,5E-02 μ A to 2,7E-01 μ A from 2,7E-04 mA to 2,7E-03 mA from 2,7E-03 mA to 2,3E-02 mA from 2,3E-02 mA to 5,2E-01 mA from 5,2E-04 A to 3,3E-03 A	РПК-7.2.1-03:2024
4.	Ampere meters for AC current (1), (2)	Alternating current ACI, A	At 50 Hz frequency from 100 μ A to 200 μ A from 0,2 mA to 2 mA from 2 mA to 20 mA from 20 mA to 200 mA from 0,2 A to 2 A At frequency from 1 kHz from 100 μ A to 200 μ A from 0,2 mA to 2 mA from 2 mA to 20 mA from 20 mA to 200 mA from 0,2 A to 2 A	from 3,2E-01 μ A to 8,6E-01 μ A from 8,6E-04 mA to 5,6E-03 mA from 5,6E-03 mA to 4,2E-02 mA from 4,2E-02 mA to 4,2E-01 mA from 4,2E-04 A to 1,5E-02 A from 3,3E-01 μ A to 8,6E-01 μ A from 8,6E-04 mA to 6,0E-03 mA from 6,0E-03 mA to 4,2E-02 mA from 4,2E-02 mA to 4,2E-01 mA from 4,2E-04 A to 1,6E-02 A	РПК-7.2.1-03:2024
5.	Digital Ohmmeters, (1)	Active Resistance R, Ω	from 0,1 Ω to 1 Ω from 1 Ω to 10 Ω from 10 Ω to 100 Ω from 100 Ω to 1000 Ω from 1 k Ω to 10 k Ω from 10 k Ω to 100 k Ω from 0,1 M Ω to 1 M Ω from 1 M Ω to 10 M Ω	from 2,9E-05 Ω to 2,9E-04 Ω from 2,9E-04 Ω to 2,3E-03 Ω from 2,3E-03 Ω to 2,3E-02 Ω from 2,3E-02 Ω to 2,3E-01 Ω from 2,3E-04 k Ω to 2,3E-03 k Ω from 2,3E-03 k Ω to 2,3E-02 k Ω from 2,3E-05 M Ω to 2,6E-04 M Ω from 2,6E-04 M Ω to 2,4E-03 M Ω	РПК-7.2.1-07:2024

Type of the scope: <i>Fixed</i>					
№	Measuring Instrument	Measured value and, Measurement Unit	Measurement Range	Measurement Uncertainty	Calibration Method
1	2	3	4	5	6
			from 10 MΩ to 100 MΩ from 100 MΩ to 1000 MΩ	from 2,4E-03 MΩ to 2,3E-02 MΩ from 2,3E-02 MΩ to 2,4E-01 MΩ	
6.	Digital instruments measuring capacitance (1)	Capacitance C, F	At 1 kHz frequency from 1 nF to 10 nF from 10 nF to 100 nF from 0,1 μF to 1 μF from 1 μF to 10 μF from 10 μF to 70 μF	from 1,5E-02 nF to 1,5E-01 nF from 1,5E-01 nF to 1,5 nF from 1,5E-03 μF to 1,6E-02 μF from 1,6E-02 μF to 1,6E-01 μF from 1,6E-01 μF to 6,0E-01 μF	РПК-7.2.1-08:2024
7.	Digital frequency meters (1)	Frequency f, Hz	from 1 Hz to 100 Hz from 0,1 kHz to 1 kHz from 1 kHz to 100 kHz from 0,1 MHz to 1 MHz from 1 MHz to 100 MHz	from 6,3E-03 Hz to 5,0E-02 Hz from 5,0E-05 kHz to 1,1E-05 kHz from 1,1E-05 kHz to 1,6E-04 kHz from 1,6E-07 MHz to 1,5E-06 MHz from 1,5E-06 MHz to 1,6E-04 MHz	РПК-7.2.1-09:2024
Linear quantities					
8.	Caliper	Length l, m	0.5 mm to 300 mm	0.03 mm	РПК-7.2.1-01:2024
9.	Cylindrical length gauges – GO/NO-GO gauges	Diameter d, m	from 0.1 mm to 30 mm	0.002 mm	РПК-7.2.1-06:2024
Torque					
10.	Torque wrenches and screwdrivers	Torque, Nm	from 0.4 Nm to 20 Nm from 20 Nm to 200 Nm	1% 1%	РПК-7.2.1-02:2024
Pressure					
11.	Electromechanical and mechanical manometers	Pressure P, Pa	up to 69 MPa with water or oil from 27 hPa to 3500 hPa with air	from 0.05% FS (4) from 0.2% FS (5) from 0.08 hPa to 0.32 hPa (6)	РПК-7.2.1-04:2024 (4) – standard procedure, (5) – basic procedure, and (6) – precision procedure
Mass					
12.	Non-automatic scales, class III and IV (3)	Mass m, kg	From 10 g to 30,000 g	from 0.58 g to 2.8 g	РПК-7.2.1-05:2024

Note:

(1) – including as part of combined instruments (multimeters);

(2) – digital and analog;

(3) – calibrations for these items are performed only at the customer's site. All other calibrations are performed only in the laboratory premises.

References:

1. РПК-7.2.1-01:2024 - Calibration of calipers (based on VDE/VDI/DGQ 2618, item 9.1 and БДС EN ISO 13385-2).
2. РПК-7.2.1-02:2024 - Calibration of dynamometric tools - wrenches and screwdrivers (based on БДС EN ISO 6789-1 and БДС EN ISO 6789-2).
3. РПК-7.2.1-03:2024 - Calibration of digital and analog instruments for measuring electrical quantities – direct current, alternating current, and voltage.
4. РПК-7.2.1-04:2024 - Calibration of electromechanical and mechanical manometers (based on EURAMET Calibration Guide № 17 Version 4.1, including (4) – standard procedure, (5) – basic procedure, and (6) – precision procedure).
5. РПК-7.2.1-05:2024 - Calibration of non-automatic scales (based on EURAMET Calibration Guide № 18 Version 4.0).
6. РПК-7.2.1-06:2024 - Calibration of cylindrical length measures – GO/NO-GO gauges (based on EURAMET cg-6 Version 3.0).
7. РПК-7.2.1-07:2024 - Calibration of digital and analog instruments for measuring electrical quantities – resistance.
8. РПК-7.2.1-08:2024 - Calibration of digital and analog instruments for measuring electrical quantities – capacitance.
9. РПК-7.2.1-09:2024 - Calibration of digital and analog instruments for measuring electrical quantities – frequency.

I ORDER

To issue the certificate of accreditation reg. № 27 ЛК/12.03.2025, valid until 12.03.2029 and this order as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the manager/ representative of AERO Technic BG Ltd, head of the IN LAB Aeronautic Calibration Laboratory at AERO Technic BG Ltd, or other authorized person in the office of EA BAS.

This order shall be notified to the IN LAB Aeronautic Calibration Laboratory at AERO Technic BG Ltd, within 3(three) days from its issuance.

Eng. Irena Borislavova

*Executive Director
of Executive Agency Bulgarian Accreditation Service*

