



ORDER

№ A 175

Sofia, 11.06.2026

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with amendment of an element of the certificate content, according to item 4.3.8. f) of the BAS QR 2 Accreditation Procedure and EA BAS order reg. № A 174/11.06.2026, I hereby

AMEND

EA BAS order reg. № A 86/12.03.2025 of

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: <i>fixed</i>					
№	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 2 V to 20 V from 20 V to 200 V from 200 V to 1000 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 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	РПК-7.2.1-03:2024

Type of the scope: <i>fixed</i>					
No	Measuring Instrument	Measured value and, Measure ment Unit	Measurement Range	Measurement Uncertainty	Calibration Method
1	2	3	4	5	6
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 1 kHz 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	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 10 M Ω to 100 M Ω from 100 M Ω to 1000 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 from 2,4E-03 M Ω to 2,3E-02 M Ω from 2,3E-02 M Ω to 2,4E-01 M Ω	РПК-7.2.1-07:2024
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 μ F to 1 μ F from 1 μ F to 10 μ F from 10 μ F to 70 μ F	from 1,5E-02 nF to 1,5E-01 nF from 1,5E-01 nF to 1,5 nF from 1,5E-03 μ F to 1,6E-02 μ F from 1,6E-02 μ F to 1,6E-01 μ F from 1,6E-01 μ F to 6,0E-01 μ F	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	Torque, Nm	from 0,4 Nm to 20 Nm from 20 Nm to 200 Nm	1% 1%	РПК-7.2.1-02:2024

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
	and screwdrivers				
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)	ПНК-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	ПНК-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. ПНК-7.2.1-01:2024 - Calibration of calipers (based on VDE/VDI/DGQ 2618, item 9.1 and БДC EN ISO 13385-2).
2. ПНК-7.2.1-02:2024 - Calibration of dynamometric tools - wrenches and screwdrivers (based on БДC EN ISO 6789-1 and БДC EN ISO 6789-2).
3. ПНК-7.2.1-03:2024 - Calibration of digital and analog instruments for measuring electrical quantities – direct current, alternating current, and voltage.
4. ПНК-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. ПНК-7.2.1-05:2024 - Calibration of non-automatic scales (based on EURAMET Calibration Guide № 18 Version 4.0).
6. ПНК-7.2.1-06:2024 - Calibration of cylindrical length measures – GO/NO-GO gauges (based on EURAMET cg-6 Version 3.0).
7. ПНК-7.2.1-07:2024 - Calibration of digital and analog instruments for measuring electrical quantities – resistance.
8. ПНК-7.2.1-08:2024 - Calibration of digital and analog instruments for measuring electrical quantities – capacitance.
9. ПНК-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 JK/11.06.2026, 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.

Upon receipt of the certificate and the enclosure issued, the the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 27 JK/12.03.2025, valid until 12.03.2029 and its enclosure, EA BAS order reg. № A 86/12.03.2025.

This order shall be notified to AERO Technic BG Ltd., within 3(three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

*Executive Director
of Executive agency Bulgarian accreditation service*

