ORDER

№ A 168

Sofia, 02.06.2026

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, item 7(1) and item 5.3.1, 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, reports, reg. № 35/13 ЛК/6/В/03.11.2025, reg. № 35/13 ЛК/11/В/12.12.2025 and declaration reg. № 35/13 ЛК/9/Е/27.11.2025, I hereby

AMEND

EA BAS order reg. № A 444/29.11.2024

ELEKTRA TRANS GLOBAL LTD
CALIBRATION LABORATORY FOR MEASURING INSTRUMENTS

Management address: 1592, Sofia, Druzhba, Bl. 10, Entr. 3 (B), Floor 2, Apt. 40
Laboratory address: 1540, Sofia, Slatina, 1, Brussels Blvd., Sofia Airport, Bl. 3.

To perform testing of:

Type of the scope: *fixed*

№	Measuring instrument	Measured value, unit of measure	Measurement Range	Measurement uncertainty	Calibration method
1	2	3	4	5	6
1.	DC voltmeters (and as a part of multimeters/ multitesters)	DC voltage, V	from 10 mV to 19,999 mV	from 0,007 mV to 0,009 mV	01-LK (RPK 702-01-01)/2020
			from 20 mV to 199,999 mV	from 0,009 mV to 0,02 mV	
			from 0,2 V to 1,999 99 V	from 0,000 02 V to 0,000 09 V	
			from 2 V to 19,999 9 V	from 0,000 09 V to 0,001 V	
			from 20 V to 199,999 V	from 0,001 V to 0,008 V	
			from 200 V to 1 000 V	from 0,008 V to 0,08 V	
2.	AC voltmeters (and as a part of multimeters/ multitesters)	AC voltage, V	Frequency 50 Hz		01-LK (RPK 702-01-01)/2020
			from 10 mV to 19,999 9 mV	from 0,013 mV to 0,02 mV	
			from 20 mV to 199,999 mV	from 0,02 mV to 0,04 mV	

Type of the scope: *fixed*					
№	**Measuring instrument**	**Measured value, unit of measure**	**Measurement Range**	**Measurement uncertainty**	**Calibration method**
1	2	3	4	5	6
			from 0,2 V to 1,999 99 V	from 0,000 04 V to 0,000 4 V	
			from 2 V to 19,999 9 V	from 0,000 4 V to 0,004 V	
			from 20 V to 199,999 V	from 0,004 V to 0,04 V	
			from 200 V to 1 000 V	from 0,1 V to 0,6 V	
			Frequency 1 kHz		
			from 10 mV to 19,999 9 mV	from 0,012 mV to 0,013 mV	
			from 20 mV to 199,999 mV	from 0,013 mV to 0,05 mV	
			from 0,2 V to 1,999 99 V	from 0,000 05 V to 0,000 4 V	
			from 2 V to 19,999 9 V	from 0,000 4 V to 0,003 V	
			from 20 V to 199,999 V	from 0,003 V to 0,03 V	
			from 200 V to 1 000 V	from 0,2 V to 0,3 V	
			Frequency 20 kHz		
			from 0,2 V to 1,999 99 V	from 0,000 4 V to 0,000 6 V	
			from 2 V to 19,999 9 V	from 0,000 6 V to 0,006 V	
			from 20 V to 199,999 V	from 0,006 V to 0,03 V	
3.	DC ammeters (and as a part of multimeters/ multitesters)	DC current, A	from 10 µA to 199,999 µA	from 0,008 µA to 0,02 µA	01-LK (RPK 702-01-01)/2020
			from 0,2 mA to 1,999 99 mA	from 0,000 02 mA to 0,000 1 mA	
			from 2 mA to 19,999 9 mA	from 0,000 1 mA to 0,002 mA	
			from 20 mA to 199,999 mA	from 0,002 mA to 0,02 mA	
			from 0,2 A to 1,999 99 A	from 0,000 02 A to 0,000 4 A	
			from 2 A to 10 A	from 0,004 A to 0,04 A	
4.	AC ammeters (and as a part of multimeters/ multitesters)	AC current, A	Frequency 50 Hz and 1 kHz		01-LK (RPK 702-01-01/2020
			from 2 mA to 19,999 9 mA	from 0,003 mA to 0,010 mA	
			from 20 mA to 199,999 mA	from 0,010 mA to 0,08 mA	
			from 0,2 A to 1,999 99 A	from 0,000 08 A to 0,002 A	
			Frequency 50 Hz		
			from 2 A to 10 A	from 0,004 A to 0,08 A	

Type of the scope: *fixed*					
№	**Measuring instrument**	**Measured value, unit of measure**	**Measurement Range**	**Measurement uncertainty**	**Calibration method**
1	2	3	4	5	6
5.	Low frequency generators	AC voltage Frequency 1 kHz, V	from 0,1 V to 20 V	from 0,000 04 V to 0,02 V	03-LK (RPK 702-01-03)/2019
		Frequency, Hz	from 10 Hz to 1 000 Hz	from 0,013 Hz to 0,6 Hz	
			from 1 kHz to 10 MHz	from 0,000 6 kHz to 0,000 02 MHz	
			from 10 MHz to 100 MHz	from 0,000 02 MHz to 0,000 04 MHz	
6.	Digital frequency meters (and as a part of multimeters).	Frequency, Hz	from 100 Hz to 2 MHz	from 0,007 Hz to 0,000 007 MHz	04-LK (RPK 702-01-04)/2019
			from 2 MHz to 100 MHz	from 0,000 007 MHz to 0,000 02 MHz	
			from 100 MHz to 250 MHz	from 0,000 02 MHz to 0,007 MHz	
7.	Ohmmeters, resistance testers (digital, analog).	Resistance, Ω	from 0,01 Ω to 0,1 Ω	from 0,000 03 Ω to 0,000 3 Ω	02-LK (RPK 702-01-02)/2019
			from 0,01 Ω to 1 Ω	from 0,000 03 Ω to 0,000 08 Ω	
			from 1 Ω to 10 Ω	from 0,000 08 Ω to 0,000 7 Ω	
			from 10 Ω to 100 Ω	from 0,000 7 Ω to 0,007 Ω	
			from 100 Ω to 1000 Ω	from 0.007 Ω to 0,07 Ω	
			from 1 kΩ to 10 kΩ	from 0,000 07 kΩ to 0,000 7 kΩ	
			from 10 kΩ to 100 kΩ	from 0,000 7 kΩ to 0,007 kΩ	
			from 0,1 MΩ to 1 MΩ	from 0,000 007 MΩ to 0,000 2 MΩ	
			from 1 MΩ to 10 MΩ	from 0,000 2 MΩ to 0,008 MΩ	
			from 10 MΩ to 100 MΩ	from 0,008 MΩ to 0,07 MΩ	
			from 100 MΩ to 1 GΩ	from 0,07 MΩ to 0,000 7 GΩ	
8.	Capacitance meters	Capacitance, F at a frequency of 1 kHz	from 0,1 μF to 1 μF	from 0,000 07 μF to 0,016 μF	02-LK (RPK 702-01-02)/2019
9.	Oscilloscopes/ with a frequency range of up to 250 MHz/.	Time interval / period second, s Voltage, V	from 10 ns to 5 s	from 1 ns to 0,008 s	07-LK (RPK 702-01-07)/2019
			from 10 mV to 100 V	from 0,004 mV to 0,07 V	
10.	Stopwatches	Time interval/ period, s	from 5 s to 600 s	from 0,03 s to 0,05 s	05-LK (RPK 702-01-05)/2019
			from 600 s to 3 000 s	from 0,05 s to 0,08 s	

Type of the scope: *fixed*					
№	**Measuring instrument**	**Measured value, unit of measure**	**Measurement Range**	**Measurement uncertainty**	**Calibration method**
1	2	3	4	5	6
11.	Torque wrenches	Torque, Nm	from 1 Nm to 10 Nm	0,8 %	06-LK (RPK 702-01-06)/2023
			from 10 Nm to 100 Nm		
			from 100 Nm to 1 000 Nm		
12.	Micrometres with a graduation of 0,01 mm and 0,001 mm	Length, m	Up to 250 mm	0,0013 mm	09-LK (RPK 702-01-09)/2019
13.	Calipers with a vernier graduation of 0,01 mm; 0,02 mm; 0,05 mm; 0,1 mm.	Length, m	Up to 250 mm	0,03 mm	08-LK (RPK 702-01-08)/2019
14.	Pressure gauges.	Pressure, Pa	from 0,1 MPa to 1 MPa	from 0,006 MPa to 0,008 MPa	10-LK (RPK 702-01-010)/2023
			from 1 MPa to 10 MPa	from 0,008 MPa to 0,07 MPa	
			from 10 MPa to 40 MPa	from 0,07 MPa to 0,09 MPa	

The calibration of the above-mentioned measuring instruments is carried out in the premises of the laboratory.

References:

1. 01-LK (RPK 702-01-01)/05.10.2020 – Methods for calibration of DC and AC voltmeters and ammeters. Digital and analog (based on EURAMET cg-15, 2015);

2. 02-LK (RPK 702-01-02)/11.03.2019 – Methods for calibration of resistance testers and capacitance meters. Digital and analog (based on EURAMET cg-15, 2015);

3. 03-LK (RPK 702-01-03)/11.03.2019 – Methods for calibration of low frequency generators of sinusoidal signals;

4. 04-LK (RPK 702-01-04)/11.03.2019 – Methods for calibration of digital frequency meters, multimeters;

5. 05-LK (RPK 702-01-05)/11.03.2019 – Methods for calibration of stopwatches;

6. 06-LK2 (RPK 702-01-06)/12.05.2023 – Methods for calibration of torque wrenches (based on БДС EN ISO 6789-2:2017, EURAMET cg-14, 2011);

7. 07-LK (RPK 702-01-07)/12.03.2019 – Methods for calibration of oscilloscopes;

8. 08-LK (RPK 702-01-08)/12.03.2019 – Methods for calibration of calipers;

9. 09-LK (RPK 702-01-09)/12.03.2019 – Methods for calibration of micrometers;

10. 10-LK (RPK 702-01-010)/12.05.2023 – Methods for calibration of pressure gauges (EURAMET cg-17, 2022).

I ORDER

To issue the certificate of accreditation reg. № 13 ЛК/02.06.2026, valid until 29.11.2028 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/ representative of Elektra Trans Global Ltd, Sofia, the head of the laboratory, 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 № 13 ЛК/29.11.2024, and its enclosure - EA BAS order reg. № А 444/29.11.2024.

This order shall be notified to Elektra Trans Global Ltd within 3 (three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

Executive Director
of Executive agency Bulgarian accreditation service