

CALIBRATION CERTIFICATE

Number: **E-26-0283**

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Customer	Electro Power Solution SH.P.K RRUGA "DIBRES", KOMPLEKSI "HALILI" 1015 Tirane, Albania
Instrument	Step contact meter
Manufacturer	Metrel
Type	MI 3295M
Serial No.	224307097
Calibration procedure	Calibration was carried out by comparison of values indicated, or set, on the object calibrated, with values of measurands, realized with measurement standards. Detailed descriptions, where necessary, are given along with measurement results.
Environmental conditions	Temperature: $22.6\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ Relative humidity: $30\text{ }\% \pm 10\text{ }\%$
Date of calibration	2026-02-16
Calibration results	are given on the following pages

This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the International System of Units (SI). The SA is one of the signatories of multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor $k=2$, which for a nominal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA Publication EA-4/02.

Performed by:

Approved by:
Head of Calibration Laboratory

Date of issue:

Matic Rodošek



Jure Božnar

**2026-02-16**

Reproduction of the complete certificate is allowed. Parts of the certificate may only be reproduced with written approval of the calibration laboratory. This certificate is issued provided that the Slovenian Accreditation do not assume any liability.

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Object calibrated (UUC):

Step contact meter

Calibrated parameters:

- AC voltage

Calibration procedure:

- L-KP-ACV

Metrel template: Step contact meter MI 3295M & HT 2055M_a13

The calibration was carried out with universal calibrator and voltage transformer.

Measurement conditions:

For the purpose of temperature stabilization, the UUC was stored in the measurement room prior to calibration for at least four hours.

UUC power supply: battery

Calibration was performed using test leads/accessories owned by calibration laboratory.

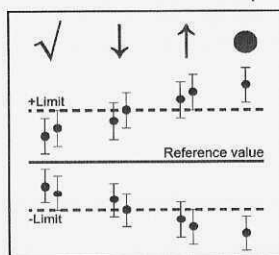
The tables includes following data:

Range	Set on UUC (function, subfunction)
Reference	Set or indicated value on the standard
UUC	Set or indicated value on the calibration item
Uncertainty	Expanded measurement uncertainty ($k = 2$)
Error	UUC - Reference
Limit	Limit of error, specifications

Limits of error for individual measured parameters are stated along with the measurement results and are calculated from manufacturer's specification given in:

Instruction Manual, Metrel Step Contact Voltage Measuring System MI 3295, Version 2.3.1, Code no. 20 752 071.

The statement of compliance is based on a 95% coverage probability for the expanded uncertainty.



✓ - Compliance with the specification limit.

● - Non-compliance with the specification limit.

↓ - It is not possible to state compliance although the error is within the limit.

↑ - It is not possible to state non-compliance although the error is outside the limit.

Measurement results and their respective uncertainties refer to the measurements carried out during calibration and have no implication to the long term stability of the object. The results relate only to the object of calibration.

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MEASUREMENT RESULTS

1. AC voltage Um - Step volt

R_{in}p = 1 MΩ

Range mV	Reference mV	Frequency Hz	UUC mV	Uncertainty mV	Error mV	Limit mV	
19,99	0,1	55	0,10 #	0,01	0,00	± 0,02	√
19,99	1	55	0,99 #	0,01	-0,01	± 0,04	√
19,99	10	55	9,94	0,02	-0,06	± 0,22	√
199,9	100	55	99,7	0,3	-0,3	± 2,2	√
1999	1000	55	999	1	-1	± 22	√

Calibration is not within the scope of accredited capabilities

V	V	Hz	V	V	V	V	
19,99	10	55	10,01	0,01	0,01	± 0,22	√
59,9	50	55	50,0	0,1	0,0	± 1,2	√

R_{in}p = 1 kΩ

Resistance 1 kΩ was added in series with UUC test lead (reference input voltage 1000 mV).

Range mV	Reference mV	Frequency Hz	UUC mV	Uncertainty mV	Error mV	Limit mV	
1999	500	55	494	1	-6	± 12	√