

Loop Impedance Meter

AMZC-305

Loop impedance measurement with resolution 0.01Ω

Voltage measurement up to 750V

Memory of 990 records

USB connection with PC

Powered by disposable or rechargeable



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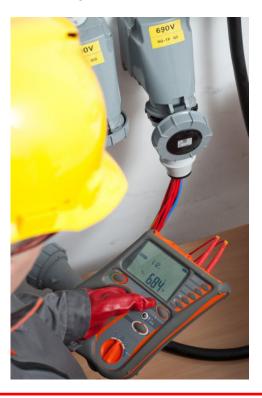


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The most important features of AMZC-305 are:

- -Loop impedance measurement with resolution $0,01\Omega$.
- -Loop impedance measurement without tripping the circuit breaker > 30mA with resolution 0.01Ω (100...440V).
- -Measurements possible in installations 110/190V, 115/200V, 127/220V, 220/380V, 230/400V, 240/415V, 290/500V and 400/690V (range 100...750V).
- -Short circuit current indication.
- -Voltage measurement up to 750V and up to 250V with resolution 0,1V.
- -Measurements using Uni-Schuko adapter or test wires 1,2; 5; 10 and 20m.
- -Memory of 990 records.
- -USB connection with PC.
- -Powered by disposable or rechargeable (4xAA).



Measurement of short circuit loop impedance $Z_{L\text{-PE}}$, $Z_{L\text{-N}}$, $Z_{L\text{-N}}$

Measuring range according to IEC61557: $0,13...1999\Omega$ for 1,2m test leads; $0,25...1999\Omega$ for UNI-SCHUKO adapter.

Range	Resolution	Accuracy
0,0019,99Ω	0,01Ω	±(5% m.v. + 3 digits)
20,0199,9Ω	0,1Ω	±(4% m.v. + 3 digits)
2001999Ω	1Ω	

Rated operating voltage U_{pl,N} / U_{pl,1}: 110/190V, 115/200V, 127/220V, 220/380V, 230/400V, 240/415V, 290/500V, 400/690V.

Voltage range 100...440V (for $Z_{L-PE}^{\text{NL-N}}$, Z_{L-N}) and 100...750V (for Z_{L-L}).

High current measurement (up to 30A)

Operating frequency range: 45...65Hz.

Control of correctness of PE terminal connection by means of a contact electrode (Z_{1,00})

Measurement is also possible when L and N circuits are swapped.

Measurement of resistance and reactance components.

Short circuit current calculation.

Measuring of short circuit loop impedance Z_{1.pp} RCD (without RCD tripping)

Measuring range according to IEC61557: $0,43...1999\Omega$ for 1,2m test leads; $0,50...1999\Omega$ for UNI-SCHUKO adapter.

Range	Resolution	Accuracy
0,0019,99Ω	0,01Ω	±(6% m.v. + 10 digits)
20,0199,9Ω	0,1Ω	±(6% m.v. + 5 digits)
2001999Ω	1Ω	

Operating voltage range: 100 ... 440V.

Rated operating voltage Un: 110V, 115V, 127V, 220V, 230V, 240V, 390V, 400V.

Control of correctness of PE terminal connection by means of a contact electrode.

Measurement is also possible when L and N circuits are swapped.

Measurement of resistance and reactance components.

Short circuit current calculation.

Voltage measurement

Range	Resolution	Accuracy
0249,9V	0,1V	±(2% m.v + 4 digits)
250750V	1V	±(2% m.v. + 2 digits)

Measurement available for all settings of short-circuit loop Z_{I-PF} , Z_{I-PF} RCD and $Z_{I-N-I-1}$

Frequency range 45...65Hz.

Overvoltage alarm.

"m.v." - measured value.

AMZC-305 Specifications

Electrical safety:

Type of insulation Double, according IEC 61010-1
Measurement category CAT IV 600V (CAT III 1000V)

Protection class acc. to EN 60529 IP54

Other technical data:

Power supply alkaline batteries or NiMH rechargeable batteries, size AA (4 pcs)

Number of Z measurements (for alkaline batteries) >3000 (2 measurements per minute)

Time to Auto-OFF 120 seconds

Data transmission USB

Memory of measurement results 990 cells, 3500 entries

Display LCD segment 260x190x60mm

Meter weight 2,2 kg

Rated operational conditions:

Operating temperature 0...+45°C -20...60°C

Humidity 20-80%

Standard accesories:

Test lead with banana plug; 1,2m; red Test lead with banana plug; 1,2m; yellow Test lead with banana plug; 1,2m; blue Pin probe with banana connector; red Pin probe with banana connector; yellow Pin probe with banana connector; blue

"Crocodile" clip K02; red "Crocodile" clip K02; blue

Carrying case L4 USB cable Hanging straps R6 batteries Operation manual Calibration certificate

Optional accesories:

Adapter UNI-SCHUKO (WS-05)

Probe with START button with UNI-SCHUKO (WS-01) Software for creation of documentation from electrical

measurements

Triple phase socket adapter AGT-16P Triple phase socket adapter AGT-32P Triple phase socket adapter AGT-63P Triple phase socket adapter AGT-16C Triple phase socket adapter AGT-32C Test lead with banana plug, 5m, red Test lead with banana plug, 10m, red Test lead with banana plug, 20m, red

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