



GETEST 5...50A, Indirect earth contact simulator 5 ... 50 A, Smartphone included,

Code: P60123. DESCATALOGADO

#### Description

The MPC-5/50 GETEST is used to measure voltages between points on the ground (step potential) or between ground and conductive parts (contact potential) when there are leakage currents through the ground connection. These readings are required in Spain in transformer and distribution centres, as per MIE-RAT-13, BOE RD 337/2014, of 9 May. To conduct the test, the current source is connected between points far away from a ground line, and the voltage between two weights one-meter apart is measured (step potential), or between the ground and accessible conductive parts. The current source is adjusted to the desired value by means of a smartphone or tablet, allowing the measured data to be viewed and stored.

- $\circ~$  Step and contact meter, based on injecting current during one network cycle (20 ms) (maximum safety during use).
- o Earth resistance measurement.
- $\circ~$  Provides up to 50 A with a 12  $\Omega$  load. Maximum output voltage of 700 VAC.
- o Maximum power equivalent to 30 kV·A, with a weight of just 45 kg.
- o Remote control and display of the data measured on a smartphone or tablet, connected wirelessly to the
- o Data storage on the smartphone or tablet itself, easily transferred to a PC.







Indirect earth contact simulator

Code: P60123.

### **Specifications**

Resistance measurement  Acchanical characteristics  Size (mm) width x height x depth Envelope Steel / Aluminium Weight (kg) As  As  Relative humidity (without condensation) Storage temperature Working temperature  Autrent measurement circuit  Impedance Maximum current Maximum current Installation category Input impedance Voltage measuring range Maximum value  Voltage measuring range Maximum value  Electrical safety, Maximum height (m) Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1  Steel Control of Steel (10 A) (20 - 20 - 20 - 20 - 20 - 20 - 20 - 20	Installation category	CAT II 300 V
Nominal voltage	Input intensity	15 A ~
Resistance measurement 0 120 \(Q\)  Adechanical characteristics  Size (mm) width x height x depth 285 x 340 x 285 (mm)  Envelope Steel / Aluminium  Weight (kg) 45  Anivoronmental characteristics  Relative humidity (without condensation) 5 95 %  Storage temperature -10 +50 °C  Working temperature 0 +40 °C  Authority (authout condensation) 5 95 %  Storage temperature 100 A ~  Resolution Scale: 10 A(0.01 A ~) Scale: 100 A (0.1 A ~)  Anivoronmental circuit  Installation category CAT   1300 V   Installation category   CAT   1300 V   Installation category   CAT   1300 V   Installation category   Authority   CAT   1300 V   Installation category   Authority   CAT   1300 V   Anivoronmental circuit   Authority   CAT   1300 V   Anivoronmental circuit   CAT   1300 V   Anivoronmental circuit   CAT   1300 V   Authority   CAT   1300 V   Auth	Frequency	50 60 Hz
Resistance measurement  Aechanical characteristics  Size (mm) width x height x depth Envelope Steel / Aluminium  Weight (kg) Assurionmental characteristics  Relative humidity (without condensation) Storage temperature Vorking temperature  Authority (without condensation)  Autho	Nominal voltage	230 V ~ ± 20% (L1-N)
Size (mm) width x height x depth 285 x 340 x 285 (mm)  Erwelope Steel / Aluminium Weight (kg) 45  Auriconnental characteristics  Relative humidity (without condensation) 5 95 % Storage temperature -10 +50 °C Working temperature 0 +40 °C  Auricont measurement circuit  Impedance <0.0 1 \to A Resolution \to Cale: 10 A(0.01 A-) Scale: 100 A (0.1 A -)  Voltage measurement circuit  Installation category CAT II 300 V Input impedance 1 KC, 2 KG, 10 MQ Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting) Maximum value 700 V  Electrical safety, Maximum height (m) 2000 Standards  Electrical safety, Maximum height (m) 2000 Standards  Ausurement accuracy	Electrical characteristics	
Size (mm) width x height x depth  Envelope Steel / Aluminium Weight (kg) 45  Relative humidity (without condensation) Storage temperature -10 +50 °C Working temperature 0 +40 °C  Eutrent measurement circuit Impedance Maximum current 100 A ~  Resolution Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Foliage measurement circuit  Installation category Input impedance Vollage measuring range Maximum value Too Vollage measuring range Maximum value  Electrical safety, Maximum height (m) Standards  Vollage measurement accuracy  Measurement accuracy  Accurrent Maximum height (m) Source Note of the folion-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Resistance measurement	0 120 Ω
Envelope Steel / Aluminium  Weight (kg) 45  Relative humidity (without condensation) 5 95 %  Storage temperature -10 +50 °C  Working temperature 0 +40 °C  Aurent measurement circuit  Impedance <0.1 \\ \text{Q}  Maximum current 100 \\ \text{A} - \text{Scale: 10 A (0.01 A -) Scale: 100 A (0.1 A -)}  Foliage measurement circuit  Installation category	Mechanical characteristics	
Weight (kg)  45  Relative humidity (without condensation)  5 95 %  Storage temperature  -10 +50 °C  Working temperature  0 +40 °C  Furrent measurement circuit  Impedance  Assimum current  Maximum current  Installation category  Installation category  Input impedance  Voltage measuring range  0 .8. 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value  700 V ~  Standards  Electrical safety, Maximum height (m)  Standards  Voltage ment accuracy  Voltage ment accuracy	Size (mm) width x height x depth	285 x 340 x 285 (mm)
Relative humidity (without condensation)  S 95 %  Storage temperature  -10 +50 °C  Working temperature  0 +40 °C  Furrent measurement circuit  Impedance  4 0.1 \( \Omega \)  Maximum current  100 \( \Omega \)  Resolution  Scale: 10 \( \A(0.01 \) A-) Scale: 100 \( \A(0.11 \) A-)  Voltage measurement circuit  Installation category  CAT II 300 \( \text{V} \)  Input impedance  1 \( \text{K}\Omega, \text{K}\Omega, 10 \text{M}\Omega}  Voltage measuring range  0.8, 30, 70, 105, 280 and 700 \( \text{V} \) \( \text{Self-adjusting} \)  Maximum value  Total Voltage measuring range  1 \( \text{K}\Omega, \text{K}\Omega, 10 \text{K}\Omega, 280 and 700 \( \text{V} \) \( \text{Self-adjusting} \)  Maximum value  Electrical safety, Maximum height (m)  Standards  VolE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Envelope	Steel / Aluminium
Relative humidity (without condensation)  Storage temperature  -10 +50 °C  Working temperature  0 +40 °C  Furrent measurement circuit  Impedance  Avaimum current  100 A ~  Resolution  Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Foltage measurement circuit  Installation category  Input impedance  Voltage measuring range  0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value  Touch a feet of the selection of	Weight (kg)	45
Storage temperature -10 +50 °C  Working temperature 0 +40 °C  Fourent measurement circuit  Impedance <0.1 \\ \Omega \text{ A careent measurement circuit}  Impedance <0.1 \\ \Omega \text{ A careent measurement circuit}  Impedance <0.1 \\ \Omega \text{ A careent 100 A \text{ A (0.01 A -) Scale: 100 A (0.1 A -)}}  Foliage measurement circuit  Installation category CAT II 300 \text{ V (1300 V (1300 M) (1300 V)}  Input impedance 1 \text{ KQ, 2 KQ, 10 MQ}  Voltage measuring range 0.8, 30, 70, 105, 280 and 700 \text{ V \cappa (Self-adjusting)}}  Maximum value 700  V \cappa (1500 A) (	Environmental characteristics	
Working temperature  0 +40 °C  Fourent measurement circuit  Impedance  Asximum current  100 A ~  Resolution  Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Foltage measurement circuit  Installation category  CAT II 300 V  Input impedance  1 KΩ, 2 KΩ, 10 MΩ  Voltage measuring range  0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value  Tou V  Standards  Electrical safety, Maximum height (m)  2000  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Relative humidity (without condensation)	5 95 %
Impedance < 0.1 \Omega  Maximum current 100 A ~  Resolution Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Voltage measurement circuit  Installation category CAT II 300 V  Input impedance 1 K\Omega, 2 K\Omega, 10 M\Omega Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value 700 V~  Standards  Electrical safety, Maximum height (m) 2000 Standards  Velesurement accuracy	Storage temperature	-10 +50 °C
Impedance < 0.1 Ω  Maximum current 100 A ~  Resolution Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Voltage measurement circuit  Installation category CAT II 300 V  Input impedance 1KΩ, 2 KΩ, 10 MΩ  Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value 700 V~  Standards  Electrical safety, Maximum height (m) 2000  Standards UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Working temperature	0 +40 °C
Maximum current Resolution Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A~)  Voltage measurement circuit  Installation category CAT II 300 V Input impedance 1 KΩ, 2 KΩ, 10 MΩ Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value 700 V~  Standards  Electrical safety, Maximum height (m) Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Current measurement circuit	
Resolution Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)  Foltage measurement circuit  Installation category CAT II 300 V  Input impedance 1 KΩ, 2 KΩ, 10 MΩ  Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value 700 V~  Standards  Electrical safety, Maximum height (m) 2000  Standards UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Impedance	< 0.1 Ω
Noltage measurement circuit  Installation category CAT II 300 V Input impedance 1 KΩ, 2 KΩ, 10 MΩ Voltage measuring range 0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting) Maximum value 700 V~  Electrical safety, Maximum height (m) 2000 Standards UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Maximum current	100 A ~
Installation category  Input impedance  1 KΩ, 2 KΩ, 10 MΩ  Voltage measuring range  0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  Maximum value  700 V~  Standards  Electrical safety, Maximum height (m)  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Resolution	Scale: 10 A(0.01 A~) Scale: 100 A (0.1 A ~)
Input impedance  1 KΩ, 2 KΩ, 10 MΩ  Voltage measuring range  0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  700 V~  Standards  Electrical safety, Maximum height (m)  2000  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	/oltage measurement circuit	
Voltage measuring range  0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)  700 V~  Standards  Electrical safety, Maximum height (m)  2000  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1	Installation category	CAT II 300 V
Maximum value 700 V~  Standards  Electrical safety, Maximum height (m) 2000  Standards UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1  Measurement accuracy	Input impedance	1 ΚΩ, 2 ΚΩ, 10 ΜΩ
Electrical safety, Maximum height (m)  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1  Measurement accuracy	Voltage measuring range	0.8, 30, 70, 105, 280 and 700 V ~ (Self-adjusting)
Electrical safety, Maximum height (m)  Standards  UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1  Measurement accuracy	Maximum value	700 V~
Standards UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1  **Reasurement accuracy**	Standards	
Measurement accuracy	Electrical safety, Maximum height (m)	2000
·	Standards	UNE-EN 61010-1, UNE-EN 610110-2-03, UNE-EN 61326-1
Accuracy 2.5 % reading + 2 digits	Measurement accuracy	
	Accuracy	2.5 % reading + 2 digits

#### GETEST







Indirect earth contact simulator

Code: P60123.

Step and contact voltage meter

CODE	TYPE	Description
P6012300A0000	GETEST 550A	Indirect earth contact simulator 5 50 A, includes Smartphone

Includes the CIRCUTOR laboratory certificate







Indirect earth contact simulator

Code: P60123.

### **Dimensions**



