

MPCC230 Megger Pro Circuit Checker



- TRMS multimeter socket checker
- RCD Type A, AC and F with 30mA test current
- AUTO RCD x $\frac{1}{2}$, x1, x5 and 180°
- V_T Touch Voltage
- Global Earth Resistance
- Loop Zs (ZL-Pe) impedance with indications of the IPEFC Prospective Earth Fault Current
- Voltage harmonics end at the 49th
- THD% of mains voltage

DESCRIPTION

MPCC230, the first multifunction tester in the shape of a socket tester. It allow the test of electrical system according the IEC standard as the common installation tester do. In addition to the TRMS Voltage measurement and the Socket Tester features allow Installation test to be performed from anyone (RCD, LOOP L-PE) in according to IEC61557-3 and IEC61557-6. Super bright colour Display TFT 1,77" With internal memory for storing results. The SuperCap technology let the instruments turn on even when disconnected from the socket.

FEATURES

The MCPP230 will execute the following tests:

- VOLT and Socket Test (Correct wiring of Plug)
- Voltage measurement L-N , TRMS
- Residual Current (RCD) type A, AC and F also in AUTO mode with touch voltage measurement
- Z LOOP (Global earth resistance in TT system and impedance L-Pe in TN with short circuit current)
- Short circuit current
- Voltage harmonics up to 49th
- THD% (Total harmonics distortion)
- Frequency of the fundamental Harmonics and up to 49th
- Dedicated results app - Megger Pro Circuit Checker Adaptor App



SPECIFICATIONS

RCD IEC/EN61557-6

Test voltage L-PE 190 to 250 V - Frequency 50 Hz \pm 5%

RCD type	I Δ n	Resolution	Accuracy I Δ n
AC, A, F, Time	30 mA	<0.1 I Δ n 0.1 ms	\pm (0.0% + 5% I Δ n) \pm 2 ms + 2 dgt)

Loop IEC/EN61557-3

No-trip earth loop impedance test voltage: 190 to 250 V (line-PE)

Standard mode test current 15 mA

Range (Ω)	Resolution (Ω)	Accuracy
0.01 to 9.99	0.01	\pm (5.0% + 8 dgt)
10 to 99.9	0.1	\pm (2.0% + 8 dgt)
100 to 999	1	\pm (2.0% + 8 dgt)
LOW mode test current 6 mA		\pm (7.0% + 10 dgt)

AC TRMS Voltage (Phase - Neutral)

Allow crest factor: 1.5 Frequency : 42 to 69.0 Hz

Range (V)	Resolution (V)	Accuracy
120 to 250	1	\pm (1.0% + 3 dgt)

Frequency

Range (Hz)	Resolution (Hz)	Accuracy
42 to 69	0.1	\pm (2.0% + 1 dgt)

Voltage Harmonics

1 to 50th Harmonic voltages are zeroed if value <0.8 V

Range (V)	Resolution (V)	Accuracy
0.8 to 265	0.1	\pm (3.0% + 5 dgt)

Socket Test

No Earth - Phase neutral reverse - Phase earth reverse - V N-Pe > 50 V

MPCC230

Pro Socket Checker

INPUT

Measurement category: CAT II 250 V to ground

Max Input: 250 V AC

General reference standards

Product type standard IEC/EN61557-3

IEC/EN61557-6

Safety of measuring instruments

IEC/EN61010-1

IEC/EN61010-2-2030

EMC

IEC/EN61326-1

Display and memory

Features TFT colour graphic LCD

Memory safety section 64 locations

Working environment conditions

Reference temperature 5°C to 23°C

Working temperature 5°C to 40°C

Allowed relative humidity

<80% RH

Storage temperature -10°C to 60°C

Storage humidity <80% RH

Mechanical features

Dimensions 81.5x70x83 mm

Weight 110 g

ORDERING INFORMATION

Description	Part number
MPCC230-UK	1015-876
MPCC230-EU	1015-877

SALES OFFICE

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