

SPECIFICATIONS

CONTINUITY MEASUREMENT - CP-100C

- Measuring range: 0 Ω to 120 Ω.
- Measuring current:
 - 200 mA if R ≤ 2 Ω, 20 mA otherwise.
 - 20 mA (Eco mode enabled) for R from 0 Ω to 120 Ω.
- Programmable conformity threshold (BEEP):
 - 1 Ω or 2 Ω.
- Standard: IEC 61557-4.

Resistance range	0.01 Ω to 4.00 Ω	4.1 Ω to 120.0 Ω
Resolution	0.01 Ω	0.1 Ω
Accuracy	±5% ±5 digits	±5% ± 5 digits

Voltage alert

Resistance range	± 20 V to 1 500 V DC	± 20 V to 400 V 50/60 Hz AC
Resolution	1 V	2 V
Accuracy	5% ±5 digits	5% ± 5 digits



	Central unit	Controller
Operating temperature	-10 to +45°C	-10 to +45°C
Storage temperature	-25 to +70°C	-25 to +70°C
Maximum relative humidity	80%	80%
Dimensions	244.5 x 132.6 x 85.8	231.1 x 56.9 x 36
Weight of the device (with batteries)	907.45 g	289.70 g
Pollution degree	2	2
Installation category	III 600V	III 600V with cap II 600V without cap
IP, IK	IK 06 IP 40	IK 06 IP 40
Battery type	4 * Alkaline LR06	2 * Alkaline LR06
Fuse type	500V 500mA 6.3 x 32mm Breaking current 50 kA	NA
Double insulated	Yes	Yes
Electrical safety	EN 61010-1	EN 61010-1
EMC	EN 61326-1 61326-2	EN 61326-1 61326-2
Wireless	EN 300220-1 et -2	EN 300220-1 et -2
Wireless device category	CAT 2	CAT 2
Wireless power	≤ 10mW	≤ 10mW
Wireless standard	EN 300220-1 and -2	
Wireless frequency	Band ISM433 MHz (433.075 to 434.775)	
Altitude	< 2000 m	< 2000 m

INSULATION MEASUREMENT - CP-100B

- Range: 10 kΩ to 999 MΩ.
- Configurable voltages:
 - 50 VDC, 100 VDC, 250 VDC, 500 VDC, 1 000 VDC.
- Rated measuring current: ≥ 1mA.
- Adjustable conformity threshold:
 - OFF, 0.25 MΩ, 0.5 MΩ, 1 MΩ, 2 MΩ, 100 MΩ.
- Standards: IEC 61557-2.

TRMS VOLTAGE MEASUREMENT - CP-100B

- Voltage types: AC, DC, AC+DC.
- Bandwidth: signal 45Hz to 66Hz + harmonics up to 1Khz.

Resistance range	±1V to ±99.99 V AC or DC	±100V to ±999 V AC or DC
Resolution	0.01 V	0.1 V
Accuracy	2% ± 2 digits	2% ± 2 digits

CONTENTS

Controller CP-100C

- tester CP-100C,
- calibration certificate* CP-100C ,
- quick startup guide CP-100C ,
- batteries included and fitted inside the device.

Central unit CP-100B

- central unit CP-100B,
- red IP2X lead 2 m - bent/straight - male/male,
- black IP2X lead 2 m - bent/straight - male/male,
- red IP2X test lead point,
- black IP2X test lead point,
- green alligator clip,
- calibration certificate* CP-100B ,
- main unit straps,
- quick startup guide CP-100B ,
- batteries included and fitted inside the device.

Central unit + Controller CP-100

- controller CP-100C ,
- central unit CP-100B,
- red IP2X lead 2 m - bent/straight - male/male,
- black IP2X lead 2 m - bent/straight - male/male,
- red IP2X test lead point,
- black IP2X test lead point,
- green alligator clip,
- CP-100C and CP-100B calibration certificate*,
- main unit straps,
- quick startup guide CP-100C and CP-100B,
- batteries included and fitted inside the devices.

* COFRAC calibration certificate upon request.

ACCESSORIES



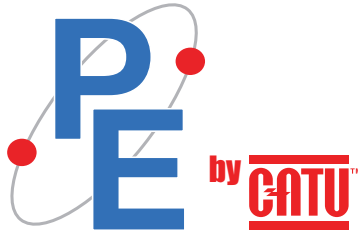
OPTIONS



No contractual photographs. Design / layout: ComST 04/2015



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C'diAG[®] TOUCH V

CONTINUITY TESTER CP-100C

The "C'DIAG TOUCH" continuity tester belongs to a new generation of measuring devices specifically designed for taking measurements for the compulsory tests of low voltage facilities in the tertiary and industrial sectors.

ERGONOMIC DESIGN FOR PROFESSIONAL APPLICATIONS

With its integrated test-lead point, this lightweight, compact device acts as an extension to the user's hand.

Thanks to the ergonomic design, the test-lead points can be held single-handedly.

The direct value reading reduces test time.

A complete set of accessories (lead, handling kit, test-lead points, reel) makes the device perfectly compatible with most test situations.

The right performance level

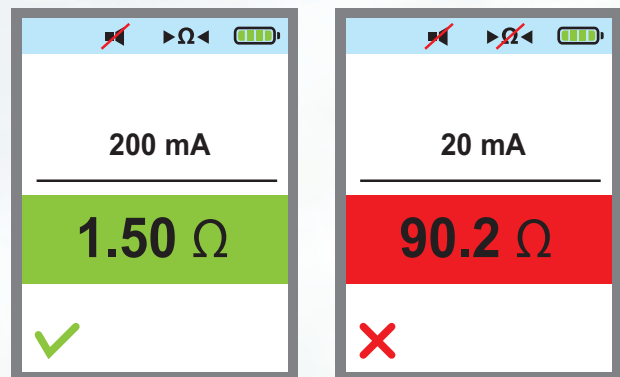
For measurements, the TFT colour screen makes value reading simple and immediately available for interpretation, as the colour switches from green to red when the continuity resistance exceeds the conformity threshold (measurement range from 0 to 120 Ohms, refer to the specifications table).

Unrivalled operating time

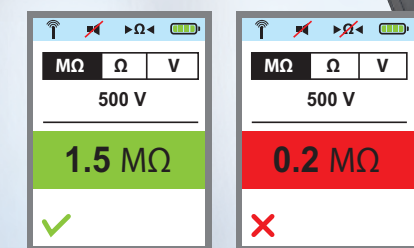
The "C'DIAG TOUCH" continuity tester is powered by two 1.5 V batteries and its innovative design provides an outstanding operating time of up to 3,000 tests before replacing the batteries.

Safety

An audible signal and a dangerous voltage indicator on the earth circuit warn the user, who can then take all the necessary precautionary measures.



ADDITIONAL MAIN UNIT FOR INSULATION TESTING CP-100B



HARD WIRED CONNECTION

The tester is used as an enhanced test-lead point with a display.

WIRELESS CONNECTION

The two devices can be connected via a wireless connection to free up the user's hands and guarantee safety by triggering remote measurement.

Voltage measurement

The "C'DIAG TOUCH" associated with the main unit can perform TRMS voltage tests, both AC and DC.

