



Product name :

Wheel-e 1ohm 50meters,
W2-1oh50123 Series



Description :
Continuity Hybrid Reel-Tester
with alarm LoZ voltmeter.
50-meter 1-ohm version.

Electric protection :
600 V CAT III / 300 V CAT IV,
reinforced insulation, pollution
degree 2.

Color :
Black and red. And yellow wire
and accessories typically.

Cable type :
PVC 1.00 mm²

Lenght :
5000 cm

Detail :
With Wheel-e the operator
tests the continuity and
measures the resistance of
protective conductors and
equipotential bonding by
keeping his hands free.

The product includes :

- 1 hybrid reel-tester of
continuity with alarm
LoZ voltmeter.
- 1 probe P / N 404-IEC.
- 1 straight 4 mm banana
plug to straight 4 mm
banana plug lead with
coiled wire P / N
2350-SpiPUR-31.
- 1 crocodile clip P / N
5066-IEC.
- 1 E-type mains AC
power plug to grounded
4 mm banana socket
adapter P / N
AdaFMSectFR-T/F4.

**QUICKLY READY AND
INTUITIVE USE :**

- Connect the wire of

Wheel-e to equipotentiality reference,

- Connect a probe to Wheel-e,
- Touch protective conductors with the probe,
- Beeps if the resistance is OK, < 1 ohm, doesn't beep if it is greater than 1 ohm (the value is displayed).

MEASURING :

- Self-reversing of the polarities (compliant with EN 61557-4).
- Measuring range 0.00 ohm to 20.0 ohms (resolution 0.01 ohm).
- Current 200 mA DC (compliant with EN 61557-4).
- Voltage between 4 V and 6 V (compliant with EN 61557-4).
- Provided with verification certificate.
- Measurement accuracy of continuity resistances : ± 0.07 ohm from 0.00 ohm to 9.99 ohms ; ± 0.1 ohm from 10.0 ohms to 20.0 ohms. Operating uncertainty according to EN / IEC61557-4 of continuity resistances : $\leq 30 \%$.
- Works on electrical installations energized or not.

SAFETY : 600 V~ CAT III. 300 V~ CAT IV. IP2X. Class 2. Voltage warning. Removable 0.5 A fuse. 1 mm² PVC 2-jacket wire.

ALARME LOZ VOLTMETER.
"Wheel-e" includes a voltmeter

with two features :

1. Alarm. While measuring resistances, "Wheel-e" watches voltages. At any moment it can raise an alarm if any hazardous voltage occurs.
2. LoZ. "Wheel-e" includes a low impedance ("LoZ") voltmeter. This helps the operator to understand the trouble. If an alarm is raised then "Wheel-e" displays the voltage. If the value is about 240 V while the operator works on a 240 V electrical installation then it could mean "Wheel-e" has found a phase, this is a "hard" voltage. But if the value is much lower, such as 70 V, then it could mean "Wheel-e" has found a "ghost" voltage. (Any usual voltmeter would indicate 240 V.) "Ghost" voltages come from the capacitive coupling between energized and non-energized wirings. They are hazardous too. Thanks to the alarm LoZ voltmeter the operator can understand if "Wheel-e" is facing a "hard" or "ghost" voltage and this helps to diagnose the trouble.

ERGONOMICS AND ABILITIES :

- One single button for all the functions.
- Blue / red backlight to test at first glance if OK or not.
- Loud beep to test if OK or not without looking at the LCD.
- Mute the beep not to disturb some areas (offices).
- About 10000 checkings with the 4 AA batteries.
- Calibrate yourself periodically.
- Hanging banana plug, the wire can't unreel unintentionally.
- Replace yourself the wire if worn just by

- unscrewing the flange.
- Compensate at 0 ohm for the resistances of the accessories.
- 50-meter long wire to operate far from the equipotentiality reference.
- Wear it at the waist to free your hands and take care of your neck and back.
- "AUX" socket to test unplugged appliances while keeping connected to the reference.
- Wheel-e is made in France and adds to the Electro-PJP's range of safety accessories like telescopic poles, probes, leads, clips, socket adaptors, etc. to test equipotential bonding on sockets, lights, metal frames, heaters, plugged and unplugged appliances, etc. (The Wheel-e design and patent are registered.)

Explanatory video :

https://www.youtube.com/watch?v=w8e_W46II54