

# Audit & Test Equipment

## Dual Wrist Strap and Footwear Tester

(CWST3)

### Description

A unique checker that quickly and easily measures the resistance of wrist straps and, with the optional footwear plate fitted, heel straps and ESD shoes. The unit will pass equipment within the range of 750K $\Omega$  to 35M $\Omega$ , meeting the EN IEC 61340-5-1 specification. The product is CE approved.

### Supplied With:

- Test meter (WST1).
- Wall mounting board.
- 6 inch (150mm) cord (0 meg-ohm).
- Footplate.
- 9V battery.
- 6 ft (1.8m) cord (0 meg-ohm).

### Key Features:

- There are 3 settings: wrist strap only test, footwear only test and also the dual test feature.
- Quickly and easily measures the resistance of wrist straps and/or heel straps and ESD shoes.
- This product is CE approved.
- Conforms to IEC 61340-5-1.



**Manufactured in the United Kingdom.**

**Registered at Cardiff No. 2933918**

**Registered Office:** Bondline Electronics, Unit 4, Rivermead Industrial Estate,  
Rivermead Drive, Swindon, Wiltshire, SN5 7EX

<b>Specifications</b>	
<b>Power Supply</b>	9 volt PP3 alkaline battery.
<b>Test Voltage</b>	Nominal 100 volts.
<b>Test Range (Wrist Strap)</b>	Pass Between 750K $\Omega$ and 35M $\Omega$ . Fail <750K $\Omega$ and > 35M $\Omega$ .
<b>Test Range (Footwear)</b>	Pass Between <750K $\Omega$ and > 100M $\Omega$ . Fail <750K $\Omega$ and > 100M $\Omega$ .
<b>Temperature Range</b>	Operating 5°C to 49°. (40°F to 120°F). Storage -15°C to +60°C.
<b>Wall Plate Material</b>	Foamex.
<b>Footplate</b>	Foamex and Stainless Steel.
<b>Relative Humidity</b>	0% to 90% (non-condensing).
<b>Accuracy</b>	+/- 10%.
<b>Repeatability</b>	+/- 10%.
<b>Weight</b>	500g (tester only).
<b>Dimensions</b>	910mm x 318mm x 146mm.
<b>Calibration</b>	Every 12 months by manufacturer.

### **Wrist Strap Test ONLY**

Firstly, ensure the black toggle switch located on the front of the tester is moved all the way DOWN for Wrist Strap Test only. When testing the wrist strap, the operator simply connects to the wrist strap via the 4mm banana plug socket or 10mm stud.

To test, make finger contact with both stainless steel discs that are located on the left hand side of the front of the meter. If the wrist strap is working correctly within the specification, the green LED for wrist strap pass will illuminate. If it is not working, the red LED for the wrist strap test will illuminate for fail. An audible buzzer will sound if the red fail LED illuminates. If the resistance through the wrist band and person exceeds 35 Meg ohms, the high red fail LED will light. If the resistance is below 750 Kilohms the low red fail LED will light.

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## Dual Footwear Test ONLY

Firstly, ensure the black toggle switch located on the front of the tester is moved all the way UP for Dual Footwear Test only. Ensure that the footplate lead is connected to the footplate socket located at the bottom of the meter.

To test, make finger contact with both stainless steel discs that are located on the left hand side of the front of the meter, whilst standing on the left and right footplates. If your footwear is working correctly and within the specification, the green LED for footwear pass will illuminate. If your footwear is not working within specification, the red LED for the footwear either left, right or both will illuminate for fail. An audible buzzer will sound if any of the red fail LEDs illuminate. If the resistance through the footwear and the person exceeds 100 meg ohms, the red high fail LED will light. If the resistance is below 750 kilohms the red low fail LED will illuminate.

## Wrist and Footwear Test Together

Ensure the black toggle switch is moved into the middle for Dual Test. Repeat the steps above to test both at the same time. Powered by a 9 volt PP3 alkaline battery. If the 9 volt PP3 battery falls below 6.5 volts during test, the yellow battery low LED will not illuminate.



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