

# Audit & Test Equipment

## Wrist Strap And Footwear Tester

(WST1, WST2, WST3)

### Description

**WST-1** - Portable instrument for checking the continuity of fitted wrist-strap and cord. The unit has a banana socket and 10mm stud. Standard Wrist-Strap Tester has a single test range 0.75 meg-ohm to 35 meg-ohm (other resistance ranges available on request). A 9V battery is required. The instrument has a green light for pass (i.e. resistance between 0.75 meg-ohm and 35 meg-ohm) and 2 red lights which indicate either high resistance fail or low resistance fail. A buzzer sounds in any fail situation. Very easy to use.


**WST-2** - Wall mounted unit for checking the continuity of fitted wrist-strap and cord. The WST2 unit is supplied with the WST1 meter, wall mounting board, 6 inch cord (0 meg ohm) and 9V battery. Manufactured in the United Kingdom.

**WST-3** - Wall mounted unit for checking the continuity of fitted wrist-straps and cords, fitted shoes, heel straps or toe grounders. Supplied with WST1 test meter, wall mounting board, 6 inch cord (0 meg ohm), 6ft cord (0 meg ohm), footplate and 9V battery. Manufactured in the United Kingdom.




WST-1



WST-2 



WST-3 

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>Temperature Range</b>	Operating 5°C to 49°. (40°F to 120°F). Storage -15°C to +60°C.
<b>Test Voltage</b>	Nominal 9 volts-stepped to 100 volts.
<b>Test Range</b>	Pass Between 750KΩ and 35MΩ. Fail <750KΩ and > 35MΩ.
<b>Relative Humidity</b>	0% to 90% (non-condensing).
<b>Accuracy</b>	+/- 10%.
<b>Repeatability</b>	+/- 10%.
<b>Weight</b>	150g.
<b>Dimensions</b>	130mm x 70mm x 25mm.
<b>Calibration</b>	Every 12 months by manufacturer.

## Setting Up

### WST-1

- 1) Remove the battery cover and connect the supplied battery.
- 2) Replace the battery cover.

### WST-2

- 1) Remove the battery cover and connect the supplied battery.
- 2) Replace the battery cover.
- 3) Place the meter in the bracket on the wall plate.
- 4) Connect the meter via short lead from the banana socket on the meter to the 10mm stud on the wall plate bracket.

### WST-3

- 1) Install the WST as per WST-2 instructions above.
- 2) Using the longer lead, connect the footplate from the stud on the footplate to the wall plate bracket.

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## Operation

### WST-1 and WST-2

- 1) Ensure that your wrist strap is in good condition and correctly adjusted for your wrist.
- 2) Connect your wrist strap cord to the WST, either directly, or if fitted, to the wall plate.
- 3) Make finger contact with the stainless steel push button and press firmly. A green LED will illuminate to indicate a pass. If the resistance through the coil cord, wrist band and operator exceeds 35M $\Omega$  the "HIGH FAIL" red LED will light and a buzzer will sound. If the resistance through the coil cord, wrist band and operator is below 750K $\Omega$  the "LOW FAIL" red LED will light and a buzzer will sound. If the 9 volt PP3 battery falls below 6.5 volts during test the yellow battery low LED will light.

### WST-3

- 1) Test wrist straps as per above instructions.
- 2) To test footwear, ensure that your wrist strap has been disconnected.
- 3) Ensure that your footwear or foot grounding device is correctly fitted.
- 4) Place one foot onto the footplate and make finger contact with the stainless steel push button and press firmly. A green LED will illuminate to indicate a pass. If the resistance through the footwear and operator exceeds 35M $\Omega$  the "HIGH FAIL" red LED will light and a buzzer will sound. If the resistance through the footwear and operator is below 750K $\Omega$  the "LOW FAIL" red LED will light and a buzzer will sound. If the 9 volt PP3 battery falls below 6.5 volts during test the yellow battery low LED will light.
- 5) Repeat for the other foot.

**All Items are CE approved.**

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