

Take the hit-and-miss factor out of personnel grounding in the field

Wrist Strap and Ground Condition Monitor

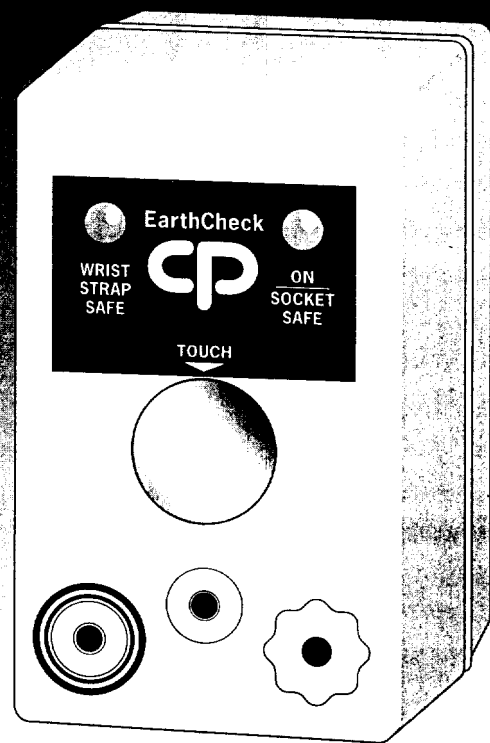
EarthCheck is a simple and effective grounding system for field service engineers.

EarthCheck plugs into the nearest convenient 13A socket to provide the engineer with guaranteed secure path to ground for his wrist strap and work mat.

If the ground connection to the socket is faulty or if the socket is incorrectly wired, EarthCheck gives an audible and visual warning.

With EarthCheck plugged into a good 13A socket, the engineer only has to touch the metal contact pad to verify the continuity of his wrist strap and ground cord. By using the appropriate input, he can also check the ground cord continuity separately.

EarthCheck can easily be calibrated.



Conductive Products Ltd

51 Frant Road
Tunbridge Wells
Kent TN2 5LE

Telephone: 0892 531012
Fax: 0892 511221

Mechanical Specification

Dimensions	: 92 x 56 x 85mm (including pins)
Weight	: 350gms
Input connections	: 1 - 10mm male snap : 2 - 4mm male snap : 3 - 4mm banana socket
Touch pad:	: Bright nickel plate
Operating temperature range	: 0 - 40° Celsius
Case Material	: ABS injection moulded

Electrical Specification

Input voltage	: 240 Volts \pm 10%
Internal working voltage	: 15 Volts DC
Resistance parameters	: High fail 35 Megohms : Low fail 750k

Ask for our full catalogue of static control products

CALIBRATION INSTRUCTIONS
FOR 557-754



Conductive Products Ltd Specialists in Static Control

Charleswater House
51 Frant Road
Tunbridge Wells
Kent TN2 5LE

Tel: (0892) 531012
Fax: (0892) 511221

CALIBRATION FOR EARTHCHECK TESTERS

The calibration procedure for the EarthCheck Mk.2 [red label] follows:

The Mk.2 has a notional 'High-fail' of 35 megohms and a 'low-fail' of 750 kilohms. Bridge the wrist strap input and the touch pad with a resistor of 27 megohm. The 'Wrist strap Safe' LED should light and the buzzer sound. Repeat this procedure using a 40 megohm resistor. The 'Wrist strap Safe' LED does not light and the buzzer does not sound. This indicates that the unit is outside the approved specification. For the 'low-fail' verification, bridge the wrist strap input and the touch pad with a 1.2 megohm resistor. The 'Wrist strap Safe' LED should light and the buzzer sound. Then bridge the wrist strap input and the touchpad with a 650k resistor. The 'Wrist strap Safe' fails to light and the buzzer does not sound indicating that the unit is outside the approved 'low-fail' specification.

Please note that this unit has trigger points for calibration set at 1.2 meg and 27 meg.

Julian Price
CONDUCTIVE PRODUCTS LTD.