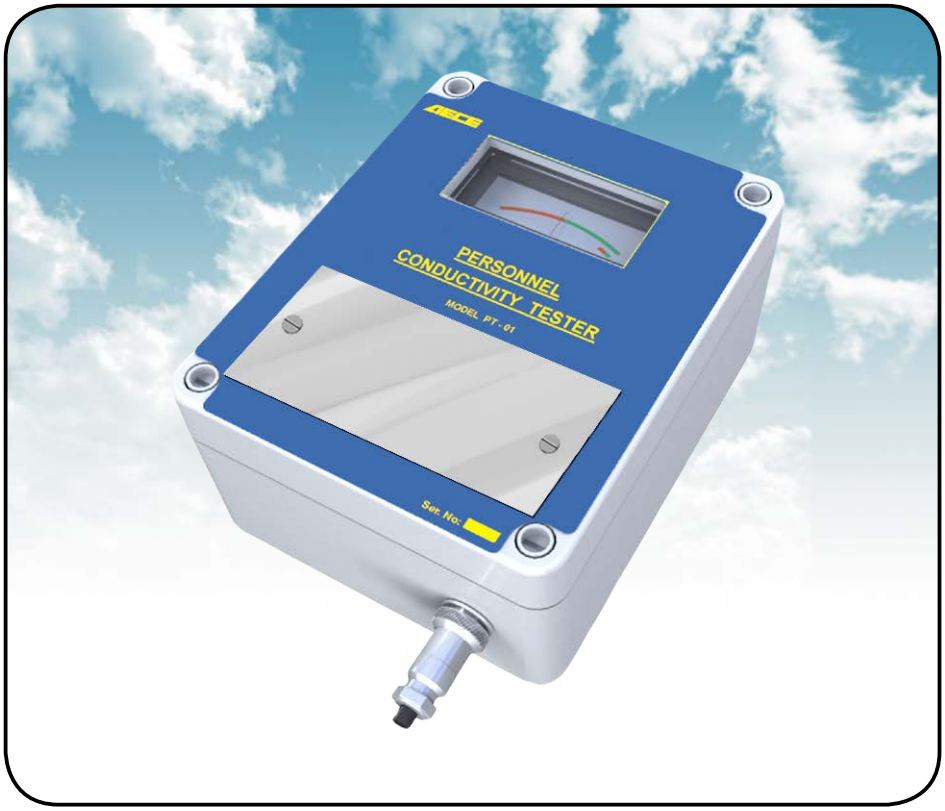
Technical Datasheet

Personnel Conductivity Tester
Model PT-01



Overview

- The PT-01 Personnel Conductivity Tester is used to determine the conductivity of operators and their shoes before entering an electrostatically sensitive area such as an explosives manufacturing building.
- The PT-01 consists of an analogue display that indicates either a safe state (green band) or not safe state (red band). It also has a battery indicator state (the same display is used).
- The change over from safe to not safe is 500kΩ (other settings are available on request).

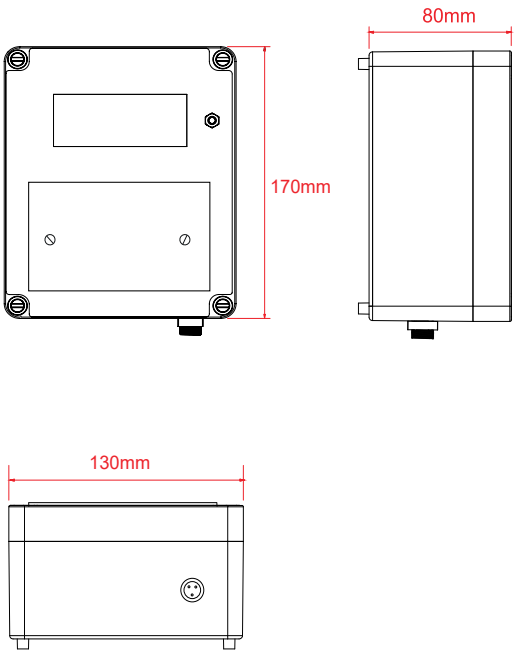
Operation

- The operator touches the front stainless steel plate with their hand. The PT-01 automatically indicates a safe (pass) or unsafe (fail).
- The PT-01 is powered by a replaceable PP9 9V Zinc Carbon battery and consumes less than 4mAh per 24 hour period. The battery must be periodically replaced.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.
- The PT-01 should only be opened to replace PP9 9V Zinc Carbon battery.
- The PT-01 should be securely mounted at a height of approximately 1.5m.

Unit Dimensions



Specifications

Activating Mechanism		Personnel closing the circuit by pressing their hand against the plate.
Accuracy		±3% over full battery voltage range.
Battery	Type	PP9 9V Zinc Carbon.
	Capacity	Consumes less than 4mAh per 24 hour period (annual battery changes are typical).
Unit Dimensions		170mm x 130mm x 80mm.
Unit Mass		0.9kg.
Temperature Range		-5°C to 45°C.

Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.

AEC Electronics (Pty) Ltd P.O.Box 958, Kempton Park, 1620, South Africa
Tel: +27 11 975-1643 Fax: +27 11 975-1680
Email: sales@aece.co.za http://www.aece.co.za