

Sole-Mate™ II

Static Dissipative Footwear Test Station



Sole-Mate II Static Dissipative Footwear Test Station



The Sole-Mate™ II is a user friendly device that is designed to test the condition of static dissipative footwear prior to entering safety critical hazardous areas exposed to potentially ignitable atmospheres.

International Standards (detailed on the next page) recommend regular testing of static dissipative footwear. The Sole-Mate II provides a time efficient and cost effective method of ensuring personnel operating in hazardous areas are wearing static dissipative shoes that are capable of mitigating electrostatic charge accumulation on their bodies.

The Sole-Mate II tests the condition of the shoes by measuring the resistance of the electrical loop through the operator and their footwear. If the resistance of the shoes is too high, the Sole-Mate II will indicate that the shoes have failed the test via a red lamp and buzzer alarm. If the shoes pass the test a green lamp will indicate to the operator that the shoes are fit for purpose.

Additionally, users can interlock the tester with audible alarms or entry doors into hazardous areas so that personnel not wearing suitable footwear cannot enter the hazardous area.

All Sole-Mate II units are supplied with 3 m cable to wire into a mains supply. The US unit is supplied with 6 ft cord and US 3 prong plug.



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Relevant International Standards

Based on user preference, the Sole-Mate II can be ordered to measure upper level resistance as defined by the following standards:

- > EN ISO 20345 — 1×10^9 Ohm
- > IEC 60079-32 — 1×10^8 Ohm
- > ASTM F2413 — 1×10^8 Ohm
- > CAN/CSA Z195-14 — 1×10^8 Ohm

Sole-Mate II units are available with resistance levels of 1×10^8 or 1×10^9 Ohm.

PLEASE NOTE: Equipment specifiers must ensure that the Sole-Mate Tester resistance level selected is compatible with the static dissipative shoes in use within the hazardous area. eg: a 1×10^8 resistance level should not be selected for EN ISO 20345 compatible shoes.

Sole-Mate Resistance Tester

The resistance test unit can be used at regular intervals (every 6 or 12 months) to ensure the upper resistance threshold of the footwear tester is operating at the correct level.

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