

Sole-Mate™ II

Static Dissipative Footwear Test Station

- Upper Level Resistance Options Available (see overleaf)
- Sole-Mate Resistance Level Tester
- IP65 Industrial Standard Enclosure

The **Sole-Mate** 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** provides a time efficient and cost effective method of ensuring personnel operating in hazardous areas are wearing static dissipative shoes that are capable of preventing electrostatic charge accumulation on their bodies.

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



Relevant International Standards

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

- EN ISO 20345 - 1×10^9 ohm
- CLC/TR 50404 - 1×10^8 ohm
- ASTM F2413-05 - 1×10^8 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. E.g.: a 1×10^8 resistance level should not be selected for EN ISO 20345 compatible shoes.



Sole-Mate Resistance Tester VESF59 & VESF59/A

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.

| Part Number | |
|-------------|--|
| SM2/108E | 1 x 10^8 115 - 230 Vac (Euro cable) |
| SM2/108U | 1 x 10^8 115 - 230 Vac (US cable and plug) |
| SM2/109E | 1 x 10^9 115 - 230 Vac (Euro cable) |
| SM2/109U | 1 x 10^9 115 - 230 Vac (US cable and plug) |
| VESF59 | 1 x 10^9 Sole-Mate Resistance Level Tester |
| VESF59/A | 1 x 10^8 Sole-Mate Resistance Level Tester |

The Sole-Mate forms part of Newson Gale's range of Static Grounding and Bonding Equipment