

Sole-Mate™

Static Dissipative Footwear Test Station

- Upper Level Resistance Options Available (see overleaf)
- Optional Interlocking Relay
- 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 and 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 dissipating static charges.

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 specify if they wish to interlock the tester with audible alarms or entry doors into hazardous areas so that personnel not wearing suitable footwear cannot enter the hazardous areas.

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



Sole-Mate

Relevant International Standards

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

- EN ISO 20345 - 1×10^9 ohm
- ASTM F2413-05 (Type II) - 1×10^9 ohm
- CLC/TR 50404 - 1×10^8 ohm
- ASTM F2413-05 (Type I) - 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 or ASTM F2413-05 Type II compatible shoes.

Sole-Mate VESF50 / IR Interlock Versions:

Version includes volt free relay contact to interlock with door entry mechanism, alarm or data collection system.

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	
VESF50	1×10^9 240Vac
VESF50/110	1×10^9 110Vac
VESF50/IR	1×10^9 240Vac with Interlock Relay Output
VESF50/IR/110	1×10^9 110Vac with Interlock Relay Output
VESF50A	1×10^8 240Vac
VESF50A/110	1×10^8 110Vac
VESF50A/IR	1×10^8 240Vac with Interlock Relay Output
VESF50A/IR/110	1×10^8 110Vac with Interlock Relay Output
VESF50U/110	1×10^9 110Vac US plug version
VESF59	1×10^9 Sole-Mate Resistance Level Tester
VESF59/A	1×10^8 Sole-Mate Resistance Level Tester

Alternative Versions

It may be possible to supply the **Sole-Mate** set to alternative measurement settings, by special order.

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



Leading the way in hazardous area static control

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