

Sole-Mate

Static Dissipative Footwear Test Station

- Upper Level Resistance Options (1×10^8 or 1×10^9 Ohms)
- Optional Interlock Relay Version
- Calibration Test Unit
- Yearly Calibration Service
- 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 explosive 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 are wearing static dissipative shoes that are fit for purpose.

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 2m cable and US style plug).



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Relevant International Standards

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

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

Sole-Mate VESF50 / IR Interlock Versions:

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

Calibration Test Unit VESF59 & VESF59/A

The user can ensure that the **Sole-Mate** is measuring the desired resistance threshold on-site using the optional Calibration Test Unit.

National Standard Calibration Service

The Calibration Test Unit may be returned to your supplier for yearly checking using equipment traceable to national standards. A new calibration certificate will be issued.

Alternative Versions

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



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 Calibration Test Unit
VESF59/A	1×10^8 Calibration Test Unit

The Sole-Mate forms part of the Static Grounding and Bonding Equipment available from Newson Gale



Leading the way in hazardous area static control

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