

Leading the way in hazardous area static control

Sole-Mate

Static Dissipative Footwear Test Station

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.



Newson Gale | For over 25 years Newson Gale has been supplying the chemical and processing industry worldwide with market leading range of static control products ensuring people and plant are protected from static related fires and explosions.



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 1x10° ohm
- CLC/TR 50404 1x108 ohm
- **ASTM F2413-05 1x10⁸ 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 1x108 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



Newson Gale Inc 460 Faraday Avenue

Unit B, Suite 1 Jackson, NJ 08527

Tel: +1 732 961 7610 Fax: +1 732 791 2182



Newson Gale GmbH

Ruhrallee 185 45136 Essen Deutschland

Tel: +49 (0)201 89 45 245 Fax: +49 (0)201 42 60 026 Email: erdung@newson-gale.de



Newson Gale Ltd

Omega House Private Road 8 Colwick, Nottingham NG4 2JX, UK

Tel: +44 (0)115 940 7500 Fax: +44 (0)115 940 7501 Email: groundit@newson-gale.co.uk