

# Wolfson Electrostatics

*for technology in electrostatic hazard control*

## **Electrostatic Flooring and Footwear Test Kit**



*The Model EFF10 Flooring & Footwear Test Kit - an essential test instrument for electrostatic hazard control*

For industrial situations and areas where sensitive flammable atmospheres may be present due to flammable gases, vapours and fine dust clouds, it is necessary to adopt the correct antistatic precautions. In many incidents of industrial fires and explosions caused by static electricity, charge accumulation on plant operators has been determined to be the cause.

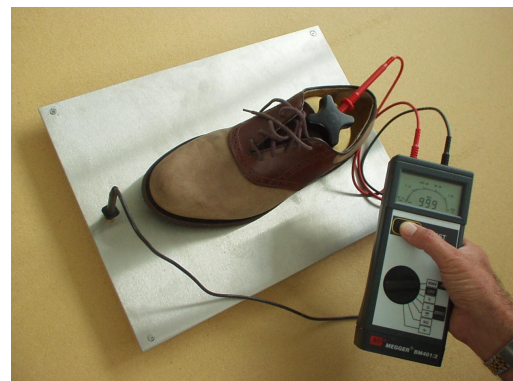
CENELEC PD CLC/TR 50404 and other international codes of practice present guidelines for the control of undesirable static electricity. All of these documents detail maximum permissible resistance values for footwear and flooring in hazardous areas. CENELEC for example indicates that in the presence of sensitive flammable atmospheres the maximum resistance between an operator and building earth should be  $1 \times 10^8$  Ohms.

In the electronics industry, the sensitivity of semiconductor devices to low levels of static electricity is now a well established fact. Static electricity is generated when non-conducting surfaces are separated and assembly workers can generate thousands of volts during routine handling. Assembly of sensitive devices should only be undertaken at static-free work stations and such stations must have conductive work surfaces, floor coverings, seats etc.

Safety Standards set the electrostatic properties of materials suitable for use in static-free work stations and for use in packaging and transport.

The Electrostatic Flooring and Footwear Test Kit Model EFF10 has instruments and tools for the measurement of electrostatic properties of all types of flooring and footwear. The EFF10 is also useful for testing gloves, mats, bench tops, vehicle tyres, chairs and stools, items of furniture, hoses and pipelines. The kit can also be used for monitoring earth continuity and contains the following items:

- Hand-held analogue/digital high-resistance meter
- Two 2kg test probes for work surfaces and floors with removable conductive rubber contact pads
- Stainless steel test platform
- Earth plug with grounding connections
- Silver conductive paint & brush
- Assorted test leads & connectors
- Full documentation including guide to interpretation of results



*Antistatic/conductive footwear can be easily checked against Standards requirements*

For further details on instrumentation from Wolfson please contact:

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