# CTL26 - Floor, Glove and Footwear Test Kit

Data Sheet

**For testing flooring resistance and personnel glove and footwear resistance.**

Suitable for testing flooring resistance and personnel glove and footwear resistance, the DEKRA Process Safety Floor, Glove & Footwear Test Kit enables portable testing to follow BS5958 guidelines, IEC 60079-32-1:2015 and IEC 61340-4-5.

Flooring material and associated coatings can contribute to a buildup of electrostatic charge as a result of the motion of people, trolleys, pallet and packaging lifting devices and general furniture; for example workbenches, chairs etc. Abrupt discharge of the static charges can cause discomfort to personnel and, in extreme cases, ignition of process products if the ignition energy of the electrostatic spark discharge is above the minimum ignition energy of the product. It is possible, in such cases for products, when present in the atmosphere in the form of a dust layer or dust cloud, to ignite.

Other areas where electrostatic build-up is of concern is electronic equipment where it is possible for malfunctions to arise due to electrostatic spark discharge. It is clear that not only is flooring resistance important, but also the resistance of personnel - particularly with respect to gloves and footwear as well as garments being worn.

Floor, Glove and Footwear Test Kit (static measuring options available)

## Benefits

- Compact kit within a portable hard carry case
- Simple to use
- Optional additional accessories available for a variety of on-site safety assessments including JCI 140 static monitor

## Functional specification and deliverables

**Kit consists of:**

- Resistance meter – Maximum range > 200 GΩ (Calibration Certificate supplied)
- Brass hand electrode with pre-fitted 10 KΩ safety resistor installed, 25 mm diameter x 160 mm
- Floor Electrodes x2: , stainless steel with conductive rubber pads, each 63.5 mm dia x 105 mm = 2.5 Kg
- Floor Plate: Integral Aluminium floor plate with fixed PTFE backing sheet
- 1 GΩ calibration check resistor
- Ohm square surface resistivity test cell (can be used in conjunction with the supplied resistance meter if desired)
- Leads: 5 metre earth lead, miscellaneous leads (for resistance meter)

## Optional extras

- Other resistor values for instrument checking available
- Calibration services
- Custom floor electrodes to other standards not listed here
- JCI140 Static Monitor and JCI148 Electrostatic Voltmeter Adapter.
- Training

# DEKRA Organisational & Process Safety

## Contact

DEKRA Organisational and Process Safety are a behavioural change and process safety consultancy company. Working in collaboration with our clients, our approach is to assess the process safety and influence the safety culture with the aim of making a difference.
In terms of behavioural change, we deliver the skills, methods, and motivation to change leadership attitudes, behaviours, and decision-making among employees. Supporting our clients in creating a culture of care and measurable sustainable improvement of safety outcomes is our goal. The breadth and depth of expertise in process safety makes us globally recognised specialists and trusted advisors. We help our clients understand and evaluate their risks, and we work together to develop pragmatic solutions. Our value-adding and practical approach integrate specialist process safety management, engineering, and testing. We seek to educate and grow client competence in order to provide sustainable performance improvement. Partnering with our clients, we combine technical expertise with a passion for life preservation, harm reduction and asset protection.
We are a service unit of DEKRA SE, a global leader in safety since 1925 with over 48,000 employees in 60 countries and five continents. As a part of the world's leading expert organisation DEKRA, we are the global partner for a safe world.
We have offices throughout North America, Europe, and Asia.

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**Would you like more information?**

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