

ID-471LC Conduction to Ground Monitor

The IDB Model 471LC is a battery-powered Conduction to Ground Monitor which provides a very cost effective, simple and reliable means for screening personnel entering sensitive areas for the effectiveness of their conductive footwear to avoid the build-up of electrostatic charges on the human body.

The control and display unit is usually mounted on a wall at about shoulder height and is connected by cable to a stainless steel plate located on the ground just in front of the wall-mounted unit. By standing on the metal plate and depressing the "PUSH TO TEST" button on the wall unit the monitor circuit is activated and the electrical resistance is measured between the hand and the floor plate.

In a number of industrial operations it is essential for personnel to be effectively bonded to ground at all times to prevent electrostatic spark discharges damaging sensitive electronic components or circuits, or causing ignition of flammable vapours, gas, dust or other materials. Bonding to earth may be conveniently achieved via conductive footwear, but it is necessary to know if this bonding remains effective in practice. The ID-471 LC Conduction to Ground Monitor provides a simple to use and robust unit for checking the effective resistance between an operator and ground. The unit can be mounted at the point where personnel enter a hazardous area from a safe area, and may be used to prevent the entry of staff with inadequately conductive footwear

The equipment provides a simple Red/Green indication if the resistance is above or below the pre-set value of 100MΩ. The red lamp is illuminated if the resistance is above the pre- set value and the green lamp is illuminated if the resistance measured is less.

Our engineering consultants would be pleased to discuss your requirements with you, and we invite you to contact our team at info@idbsystems.co.uk, alternatively you can call us on +44 (0) 1492 864 126.



SPECIFICATIONS & FEATURES

Power Supply:	4 x AA batteries accessible by removing the battery cover located at the side of the unit
Test Voltage:	12V maximum
Critical resistance value:	100MΩ
Control box dimensions:	160 x 90 x 62mm
External connections:	An earth wire connection to stainless steel ground plate (optional extra)
Push to Test Switch:	The "vandal proof" test switch ensures circuitry is completely powered down when not in use to maximise battery life and yields better than 1,000,000 operations.
Low Battery Indicator:	The ID-471LC is equipped with a simple "low battery" warning light which indicates when the batteries should be changed. IDB Systems operate a calibration and maintenance support service details of which can be tailored to meet individual customer preferences.

Please email support@idbsystems.co.uk for further details.