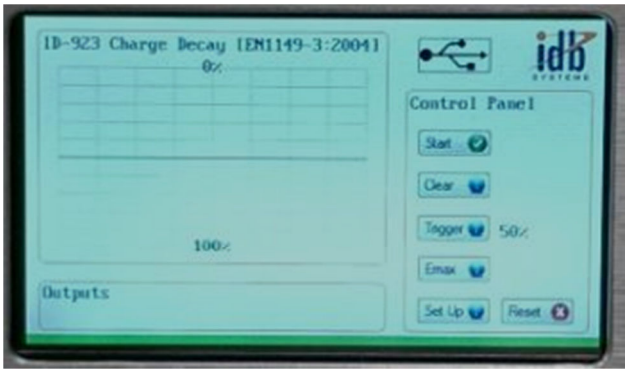
The IDB model ID-913 is a next generation Charge Decay Meter designed to provide accurate and reproducible measurements to BS EN 1149-3 - Protective clothing.

ID-913 Electrostatic Charge Decay Meter

Building on the success of the popular ID-489 and the ID-917 Charge Decay Meters, the ID-913 is a next generation microprocessor based instrument which has been developed to evaluate the antistatic properties of materials used in the fabrication of protective clothing.

The instrument has been designed to test in general accordance with the test method 2 described in the EN1149-3:2004 specification

The antistatic properties of such materials depend on the rate at which an accumulated electrostatic charge on the surface is dissipated.



Charging of the test specimen is carried out by an induction effect and immediately under the test specimen, which is horizontally arranged, a field-electrode is positioned, without contacting the specimen, and a high-voltage is rapidly applied to the field-electrode.

If the specimen is conductive, or contains conducting elements, charge of opposite polarity to the field-electrode is induced on the specimen.

As the amount of induced charge on the test specimen increases, the net field registered by the measuring probe decreases. It is this decrease in field that is used to determine the **half decay time** and **shielding factor**.

The effect is then measured and displayed on the TFT display and can be downloaded to a PC using a Type A to Type B USB cable.

SPECIFICATIONS & FEATURES

Input Power Options:	100V - 240V AC 50Hz – 60Hz
Field-electrode:	Polished stainless steel 70mm diameter surrounded by an earthed guard ring
Applied Test Voltage:	1200V Rise time <=30 uS
Support Ring:	Internal diameter 100mm
TFT Touch Screen Display:	Resolution 480 x 272
Dimensions:	W530 x L422 x H205mm
Self-Test & Maintenance:	Tailored to application.

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

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.