



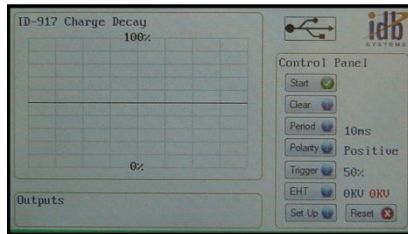
The IDB Model ID-917 is a next generation Charge Decay Meter designed for the evaluation of antistatic (charge dissipative) materials and coatings by the charge decay method.

ID-917 Electrostatic Charge Decay Meter

Building on the success of the popular ID-489 Charge decay Meter, the ID-917 is a next generation microprocessor-based instrument which has been developed to evaluate the antistatic properties of materials by measuring their charge decay time. The ID-917 is in general accordance with test method 4046 as described in MIL-STD-3010C as well as those described in IST40.2(01) and BS7506.

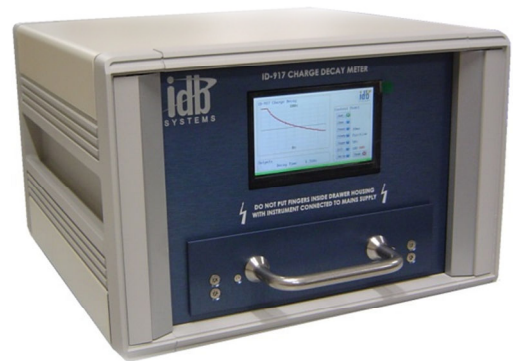
The antistatic properties of these materials depend on the rate at which an accumulated electrostatic charge on the surface is dissipated. To a large extent this will be governed by the surface resistance and for many materials this may be measured using a Surface Resistance Meter, e.g. the ID-482A or the ID-914.

However, where the structure of the surface, texture or high magnitude, make surface resistance measurements difficult then the measurement of charge decay time is preferred.



More importantly, this test method simulates the conditions of the practical situation and allows a more realistic assessment to be made of the antistatic and charge dissipative properties of the material.

In the charge decay method, an electrode placed on the material under test and in contact with its surface is charged to a specific test voltage. The time required for the electrode to discharge to one of two pre-set limits (50% to 10%), is then measured. The Model 917 Electrostatic Charge Decay Meter can be programmed to measure the charge decay time from 0.01 second increments at test voltages from 1KV to 5KV. The Model 917 consists of a mains powered processing and display unit and an integrated 2-part sample drawer. The instrument can also be connected to a desk-top or laptop PC using a Type A to Type B USB cable.



SPECIFICATIONS & FEATURES

Input Power Options:	220 - 240V 50Hz AC 100 - 115V 60Hz AC
Surface Charge Electrode:	81mm diameter
Applied Test Voltage:	1KV – 5KV (See options below)
Charge Monitoring:	Field-mill voltmeter with TFT display
TFT Touch Screen Display:	Resolution 480 x 272
Dimensions	W313mm x L322mm x H204mm

Variants & Options

ID917-XYZ:	X = Polarity, Y=Test Voltage, Z=Reserved
Polarity:	0 = Fixed Negative 1 = Fixed Positive 2 = Selectable, Positive or Negative
Test Voltage	0 = Fixed 1KV 1 = Fixed 5KV 2 = Variable between 1-5KV

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.

