



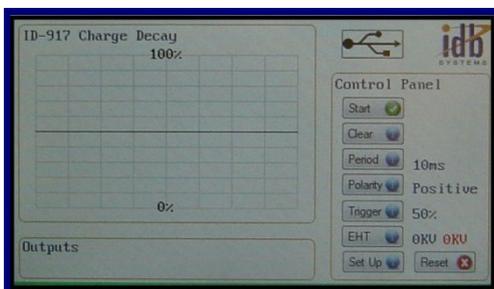
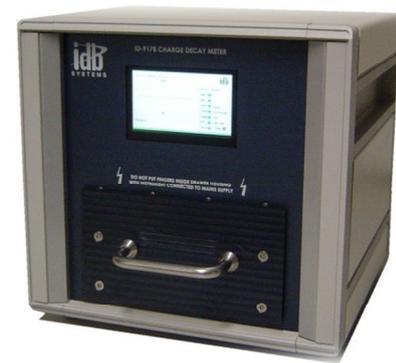
The IDB Model ID-917B is an Electrostatic Charge Decay Meter designed for the evaluation of antistatic (charge dissipative) properties of 3D objects.

## ID-917B Electrostatic Charge Decay Meter

Building on the success of the ID-917 Charge decay Meter, the ID-917B is a next generation microprocessor-based instrument which has been developed to evaluate the antistatic properties of solid objects. The ID-917B instrument is ideally suited for testing the decay properties of plastic containers, beakers, cups and lids.

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 object under test.

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 ID-917B 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 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:** 1000V  
5000V  
Positive or Negative

**Charge Monitoring:** Field-mill voltmeter

**TFT Touch Screen Display:** Resolution 480 x 272

**Dimensions** W313mm x L322mm x H310mm

**Max Object Dimensions:** W120mm x L150 x H45mm

Please email [support@idb.co.uk](mailto:support@idb.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@idb.co.uk](mailto:info@idb.co.uk), alternatively you can call us on +44 (0) 1492 864 126.

