



The ID917-PDR is designed for the evaluation of antistatic (charge dissipative) properties of powders.

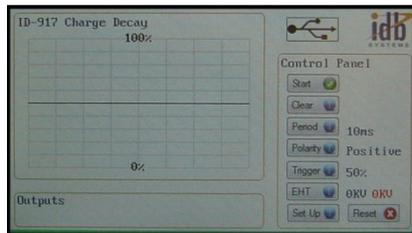
## ID917-PDR Electrostatic Powder Drawer

The ID917-PDR is designed to fit the standard ID-917 Electrostatic charge decay instrument providing the means of testing the electrostatic charge decay properties of powders and similar conductive additives.

Additives with conductive properties are often used in the packaging industry to improve the anti-static properties of films and plastics thereby controlling the antistatic properties of the final material.

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.



When used in conjunction with the standard ID-917 Charge Decay meter, the ID917-PDR gives the user the ability to assess the charge dissipative properties of the base material whilst still in the powder form.

The sample powder is simply placed within the sample drawer which in turn is placed within the instrument. A high Voltage is then applied to an electrode located at the top of the sample holder thereby charging the powder. A field-meter within the instrument then measures the magnitude of the electric field and the time to discharge to one of two pre-set limits - 50% or 10%.

Further information on the ID-917 charge decay meter can be found at our web site [www.idbsystems.co](http://www.idbsystems.co).

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](mailto:info@idbsystems.co.uk), alternatively you can call us on +44 (0) 1492 864 126.



### SPECIFICATIONS & FEATURES

<b>Outside Dimensions:</b>	18.5 x 15.0 x 3.5cm
<b>Surface Charge Electrode:</b>	81mm diameter
<b>Max Test Voltage:</b>	5KV (continuous)
<b>Weight:</b>	2.65Kg (net)
<b>Sample volume:</b>	65cm <sup>3</sup>

