



## PROSTAT<sup>®</sup> PDT-740B Electrostatic Decay Timer

The PDT-740B Static Decay Timer is designed to measure the time required for a 1,000 volt charge to dissipate to less than 100, 50 or less than 10 volts in *tenths* of a second. This extremely useful accessory is used with the PROSTAT<sup>®</sup> PFM-711A Field Meter and CPM-720A Charge Plate Monitor to evaluate Ionizer Decay Time in accordance with ESD Association Ionization Standard S-3.1. The PDT-740B may be used to evaluate the static decay capabilities of materials, personnel, equipment and other products. It is compatible with most portable CPM's and field meters

having an analog output (10,000 volts equals 1 volt). Completely automatic, the PDT-740B is simple to operate and easy to use.

### PDT-740B ELECTROSTATIC DECAY TIMER SPECIFICATIONS

Controls:	<b>OFF-ON Cut Off Voltage, 10, 50 and 100 Volts</b> (Selects Voltage to stop timing)
Indicators:	Green LED: <b>Decay Cycle Ready</b> >±1kV, CPM voltage >±1,000 volts Red LED: <b>Timing in Progress</b> , CPM voltage decay timing activated <b>LOBAT</b> displayed when battery voltage <6.0 volts
Display:	Liquid Crystal Display (LCD) displays elapsed decay time from ± 1,000 volts to selected Cut Off voltage in seconds and tenths of a second (00.0)
Polarity:	Automatically senses Positive & Negative voltage references
Zero & Reset:	Automatically Resets Timer and Display to 00.0 when CPM voltage >±1kV. Reset indicated when Green LED <b>Decay Cycle Ready</b> LED is ON.
Response:	Approximately 200 milliseconds in combination with CPM and PFM-711A
Timing Range:	From 0.2 to 159.9 seconds
Timing Setpoints:	Reset when voltage input 100mv± 2mv (1,000 Field Meter Volts± 20V) Cut Off Voltage @ 100 V: 10mv± 0.2mv (100 Field Meter Volts± 2V) Cut Off Voltage @ 50 V: 5mv± 0.2mv (50 Field Meter Volts± 2V) Cut Off Voltage @ 10 V: 1mv± 0.2mv (10 Field Meter Volts± 2V)
Accuracy:	Typically <±5%
Power:	One (1) standard 9-volt battery, PROCELL, Eveready #216 (NEDA 1604, JIS 006P, IEC 6F22)Eveready #216
Battery Life:	>40 hours typical
Dimensions:	4.50 inches x 2.75 inches x 1.0 inches
Weight:	6.5 oz. (184 gm)