



# Electrostatic Field Meter Set PFK-100

## Data Sheet

### Measure fields and voltage generation and balance ionizers

The PFK-100 set includes Prostat's unique PFM-711A dual range field meter, CPM-720A charged plate monitor assembly and PCS-730 charging source. With this instrument set you can measure electrostatic fields, analyze ionizer performance and assess the voltage generation of materials, equipment and personnel.

The battery operated PFM-711A Field Meter is a compact "electronic chopper" design with accuracy of  $\pm 2\%$  at ambient conditions (23 °C and 30% Rh). It features automatic polarity, measurement "hold" button, low battery indicator, high and low ranges, distance ranging lights for accurate and repeatable measurements, manual zero control and a ground snap. With the supplied analog output cable, it can be used in conjunction with an X-Y plotter or any analog data-recording device.







Data Sheet (continued)

Specifications for the PCS-730 Charging Source

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Input Power       | 9 Volts Alkaline Battery.<br>Battery life in excess of 40 hours continuous operation                                          |
| Output            | $\pm 1,400 \pm 5\%$ volts DC<br>Current limited to less than 1 Microamp.                                                      |
| Output Connector  | Female banana jack provided with mating contact wand.                                                                         |
| Grounding         | 10mm female snap fastener on rear of case.<br><b>Note:</b> Wand must be installed and unit grounded for proper operation      |
| Dimension (LxWxH) | 2.5" x 4.0" x 1.5" (6.3 cm x 10 cm x 3.8cm)<br>2.5" x 4.2" x 1.8" with input jack, switch and snap (6.3 cm x 10.7 cm x 46 cm) |
| Weight            | 6 oz with battery installed (170g)                                                                                            |