



ISRAEL'S LEADING COMPANY
for the Electronic Production Environment

SHIRTRONICS is pleased to supply you
with the technical specifications as requested:



287

287 Ionizer Performance Analyzer

The Model 287 performs manual or automatic decay and balance tests for periodic verification of ionization equipment. It then stores the results and averaged decay times for up to ten manual tests and up to ten complete test sequences. Temperature and relative humidity are displayed real-time and recorded with the test data. In DECAY mode a built-in high voltage generator charges the plate to over 1050 volts. During test the plate will discharge toward zero in the presence of ionization. The elapsed time of decay between 1000 volts and 100 volts is displayed. In the balance mode, isolated plate voltage, test duration and 100 volts is displayed. Self-tests include battery check and tests for functional errors.

Specifications:

Charged Plate Instruments

Product Name: Ionizer Performance Analyzer-Model:287

Feature 1: All-in-One Instrument -Measures, displays and stores voltage, decay time, temperature and humidity

Feature 2: Exceeds current requirements of ESD Assn.

DSP3.3 for Periodic Verification of Air Ionizers

Feature 3: Tests balance and decay

Operating Modes: Manual or Automatic Testing

Display: 2x16 LCD, >5 updates per second

Size: 1.7"x4" (»10.6 inches periphery) /Capacitance: Approximately 25pF

Self-discharge Rate: <10% of full scale in 200s

Fieldmeter Type: Range:±1250V, 1V resolution

Accuracy: ±5% of reading, ±2% typical/Drift: <±4V in 90s, ±2V typical

Charging System Type:

Output: ±1100 volts, selectable polarity

Maximum Time Measured: 200.0s maximum

Resolution: 0.1s resolution/ Trip Points: Fixed 1000V and 100V

Applicable Standards:ESD Assn. DSP3.3

Environmental:Temperature Range: 25°C, ±10°C

Power Requirements:9 volt NEDA #1604A or equivalent alkaline

Size:1.7"x4" (»10.6 inches periphery)/Weight:1lb, 6 oz. (0.63 kg)

Available Accessories:

Includes carrying case, instruction manual and grounding lead

Additional Information:Integrated Temperature and Humidity Sensors

Humidity ±5% typ. from 10% to 90%RH@25°C/ Temperature±2° C typical

Battery Life- >40 hour life or >1300 charge cycles.

Longer life may be achieved by using 9-volt lithium.