

3M™ Charge Analyzer 711

The Charge Analyzer 711 is designed to test the performance of products used for the purpose of static control and elimination. The Charge Analyzer 711 can be used as a laboratory analytical tool, evaluating the performance of ionizing equipment, static-protective packaging, work surfaces and personnel grounding systems. It is effective for use as a demonstration tool in employee static awareness training sessions. The Charge Analyzer 711 is powered by built-in rechargeable NiMH batteries or an AC wall plug-in adapter. All interfacing connections are made at the rear of the unit.



Property	Typical Value
Dimensions	Base unit: 152 L x 152 H x 152 W mm (6 L x 6 H x 6 W inches)
Weight	1.8 kg (4 lbs.)
High Voltage Power Supply (internal)	> 1100V positive or negative
Low Voltage Power Supplies	Built-in NiMH-rechargeable batteries, 1400 mAh AC/DC Adapter: secondary side, 12VDC/500 mA
Operating Time (rechargeable batteries)	4 hours (approximately) with full charge
Accuracy	± 10%
Operating Functions	CPM (positive/negative/automatic), voltmeter and fieldmeter
Interfaces	Analog output ± 2 V (± 1V, in 500V range for voltmeter), serial PC-COM, and external field sensor type 711 RS
Displays	LCD
Settings – CPM Operating Function	Starting voltage: 600V – 1200V in 1V-steps Stop voltage: 1V – 500V in 1V-steps (in decimal mode)
Static Decay Time	0.1 seconds – 99.9 seconds
Offset-Voltage Time	1-10 seconds in 1 second steps and 10-60 seconds in 10 seconds steps
Voltmeter Operating Function	Ranges: 25V, 100V, 500V, 1.0kV, 5.0kV and auto range
Fieldmeter Operating Function	Ranges: Manual 1.25kV/m, 5kV/m, 25kV/m, 50kV/m, 250kV/m and automatic
Plate Electrode	Stainless 152 x 152 mm (6 x 6 in.), removable, capacitance (20 ± 2) pF
Cup Electrode	Gold-plated electrode with 4 mm banana socket, for voltage measurements
Selection of Operating Function	Pre-setting is "FIELDMETER," additional automatic settings by applying the plate or cup electrode
Declaration of Conformity	CE

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