CORE INSIGHT
코어인사이트(주)

*NEW*

# Model 256

## Charge Plate Monitor

## FEATURES

· Compliance to ANSI/ESD STM3.1
· Fastest Response Speed
· Peak Offset Voltage Measurement
· Standard CPM Plate
· Configurable Parameter Adjustment
· Manual / Automatic Test Sequence

## BENEFITS

· Light Weight
· Long Battery Operation
· Large LCD Display
· Detachable 6" Plate

## APPLICATIONS

Model 256 Charge Plate Monitor is designed to provide accurate ionization system measurement and evaluation for the advanced ESD control program such ANSI/ESD S20.20 standard. Model 256 CPM has adopted innovative high voltage electrometer that known as voltage following technology for low voltage measurement.

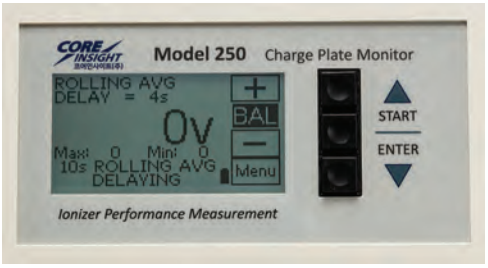
Model 256 CPM can test all ionizers including room ionization systems, blowers, gun/nozzle and bar types. Model 256 CPM is the fastest precision charge plate monitor for testing DC, AC and Pulsed AC ionizers. Model 256 resolves 1 volt and high accuracy with extremely low offset and drift. Start and stop voltages are programmable in 5 volts increments. Model 256 is small and light weight for compliance verification by alone and over 8 hours of battery at 1 hour charging.

NEW

# Model 256 Charge Plate Monitor

## Specifications

| | |
|---|---|
| Monitored Voltage Range | 0 to ±1050V DC or peak AC |
| Bandwidth | DC to 200 Hz (Measured at 2 kVp-p, -3dB) |
| Timer | 0.1 to 999.9 seconds in 0.1 sec increments |
| Start Voltage | Programmable from ±10 V to ±1000 V by 5 V resolution |
| Stop Voltage | Programmable from ±5 V to ±995 V by 5 V resolution |
| Display | 40 H x 70 L mm LCD Screen |
| Drift | Less than 6 V/minutes |
| Balance Delay | 0 to 30 seconds (Adjustable in 1 second) |
| Power Requirement | 24V DC |
| Battery Operation | NiMH 7.2 V 3 Ah (Internal) |
| Monitor Output | 1:200 (1V = 200V at Plate) |
| CPM Connection | 0S.650 - 1 Triax (50 ohm) |
| Capacitance | 20 pF ±2 pF |
| Operating Condition | Temperature: 15 - 35℃<br>Humidity: 35 - 85% RH |
| Enclosure | Enclosure: ABS plastic |
| Dimensions (mm) | 74 H x 190 W x 248 D mm |
| Warranty | 1 year limited warranty |
| Weight | 1.5 kg |




- Three Position Toggle Switch that Select +Decay, -Decay and Balance Measurement Mode Selection
- Peak Offset Voltages and Average Display

- Main Switch in Rear Panel
- Low Noise Triax CPM Plate Connector
- 24V DC Input, Ground, Voltage Monitor BNC Output

## Related Products & Ordering Information

| | |
|---|---|
| Model 256 CPM | Charge Plate Monitor Kit |
| Model 256-INST | Charge Plate Main Instrument |
| Model 256-150 | Charge Plate 150x150 |
| Model 5178D | DC Power Adapter, 100 - 240 VAC 50/60Hz |

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