

Portable CPM

Electrostatic Total Solution

SCM-10B

Portable CPM

Portable Charged Plate Monitor

Portable Static Elimination Performance Measurement Solution for On-Site Verification

The SCM-10B is a portable CPM that easily measures ionizer performance on-site, supporting rapid cause analysis and performance verification through real-time graphs and data checks.

Key Features

 Portable Battery Model Optimized for on-site mobile measurement	 Real-time Performance Verification Immediate status check without a PC	 Remote Network Integration Remote monitoring of upper systems	 Dedicated PC Data Analysis Analysis, data storage, & Q-History management
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Technical Value & Benefits

01 Portable Field Verification  On-site Immediate Inspection Technology Portable design and built-in battery structure allow immediate measurement on-site. Benefit Minimizes equipment downtime and supports fast performance verification.	02 Fast Troubleshooting  Real-time Cause Analysis Technology Provides real-time graph check via 4-inch display and 3 measurement modes. Benefit Identifies the cause of abnormality immediately on-site without a PC, enabling prompt corrective action.	03 Flexible System Integration  Excellent System Scalability Technology Integrates with upper systems through LAN / RS-485 based communication support. Benefit Facilitates easy system integration with existing process PLCs and production lines.
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Plate Lineup by Process Environment

Capacitance 20 pF	Capacitance 5 pF	Capacitance 5 pF	Capacitance 5 pF
ANSI / ESD STM3.1 Standard 			
Standard 150 × 150 mm Included	Compact (Straight) 25 × 25 mm Optional	Compact (Elbow) 25 × 25 mm Optional	Compact (Reverse Elbow) 25 × 25 mm Optional

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Key Technology

 Measurement Mode Accurate Analysis with Various Measurement Modes - Balance Mode : Checks ion balance status in real time - Decay Mode : Precisely measures charge decay time - All Mode : Checks Balance and Decay simultaneously	 Smart Operation Technology Faster On-Site Operations with Intuitive Control - Immediate real-time data check based on 4-inch built-in display - Easy on-site use with intuitive button operation - Portable design suitable for various working environments	 Connectivity & Data Technology Integrated Data Management via Network Integration - LAN / RS-485 communication support (Integration with on-site PC and upper server) - Real-time data logging & systematic Q-History management - Integrated remote monitoring environment
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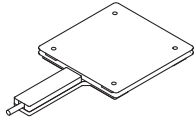
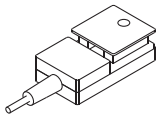
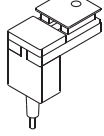
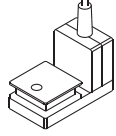
Major Measurement Range

Monitoring Voltage Range	0 to ± 1100 VDC or Peak AC
Start Voltage	100 ~ ± 1000 V (in 10V increments)
Start Accuracy	Within ± 1 V of set start range
Stop Voltage	10 ~ ± 1100 V (in 1V increments)
Stop Accuracy	Within ± 1 V of set stop range

Communication & Data Storage Specifications

Supported Interface	LAN / RS-485
Data Function	Real-time logging / Storage / Sharing
Display Function	Built-in display real-time graph
Usability	On-site inspection / Quality record / Troubleshooting

Detailed Plate Specifications

Classification	Standard	Compact (Straight)	Compact (Elbow)	Compact (Reverse Elbow)
Type				
Size & Capacitance	150 × 150 mm (20 pF)	25 × 25 mm (5 pF)	25 × 25 mm (5 pF)	25 × 25 mm (5 pF)
Key Features	Complies with ANSI/ESD STM3.1 standard	Straight cable structure, precise measurement in narrow areas	90° right-angle cable structure, minimized spatial interference	Reverse right-angle structure, compatible with special wiring environments
Recommended Processes	General ionizer performance verification processes	Inside equipment & straight transfer lines	Lines requiring side wiring	Special equipment with severe rear/bottom interference

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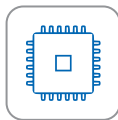
Applications



Ionizer Performance
Verification



On-Site
Maintenance



Semiconductor /
Display



R&D /
Troubleshooting



Quality Control /
Data Logging

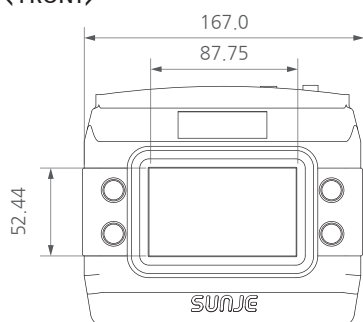
Specifications

Parameter	Description / Value
Power	Battery : 14.8V / 5.0Ah
	Charger : 16.8V / 2.0A
Power Consumption	50 W
LCD Display	3.97-inch LCD
Analysis Resolution	12-bit
Monitoring Voltage Range	0 to ± 1100 VDC or Peak AC
Operating Temperature & Humidity	0°C ~ 50°C / 35% ~ 85% RH, No condensation

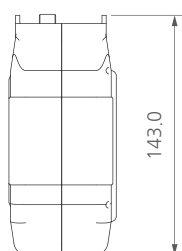
Dimensions

► SCM-10B

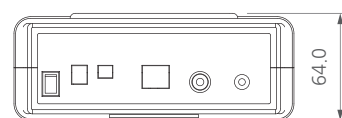
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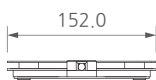


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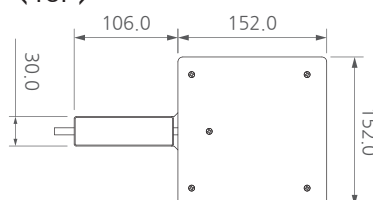


► Plate (150 × 150mm) / Standard

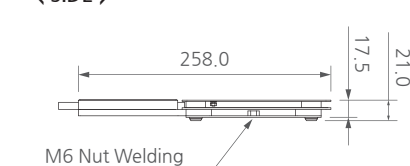
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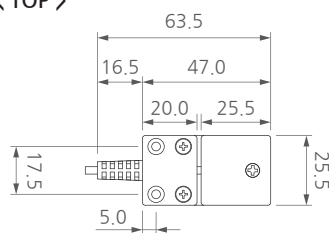
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▶ Plate (25 × 25mm / Straight) / Option

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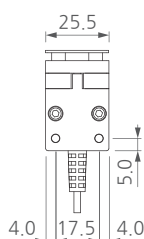


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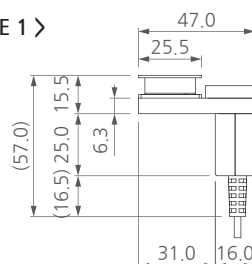


▶ Plate (25 × 25mm / Elbow) / Option

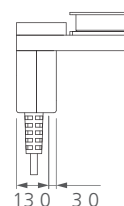
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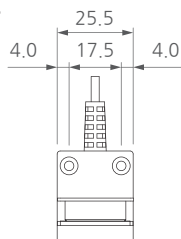


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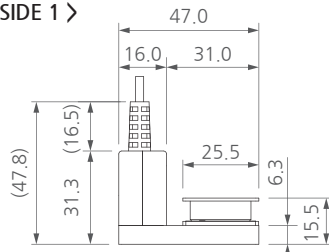


▶ Plate (25 × 25mm / Reverse Elbow) / Option

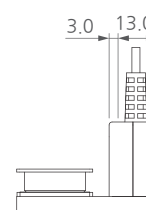
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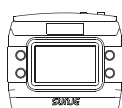
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Included Items



CPM
SCM-10B

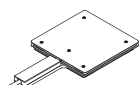
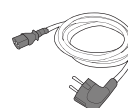


Plate
150 × 150mm



Adapter
1.5m



Power Cable
1.8m



Ground Cable
3m