

High Reliability & Non-contact Type

Electrostatic Voltage Monitoring System



< SM-10 >



< SM-30 >

SM-10 / 30

SM-10/30 is compact and contactless type electric voltage sensor and easy to install.

SM-10 : min. $\pm 5\text{kV}$ to max. $\pm 40\text{kV}$ depending on the installation distance(10-100mm).

SM-30 : min. $\pm 20\text{kV}$ to max. $\pm 60\text{kV}$ depending on the installation distance(100-700mm).



< EVM-302 >



< EVM-308 >

EVM-302 / 308

It is a monitoring device for electric voltage sensor that can be possibly installed in OLED, LCD, PDP, Semiconductor, Parts assembly line, Printing, Filmming, and many other industries.

Key Features

SM-10 / 30

- Compact & contactless type sensor
- Possible to measure up to 100mm (SM-10)
- Measuring Range : $\pm 5\text{kV}$ [Wide Range Mode $\pm 40\text{kV}$] (SM-10)
- The world's first long-distance range measuring sensor [Max. 700mm] (SM-30)
- Measuring Range : $\pm 20\text{kV}$ [Wide Range Mode $\pm 60\text{kV}$] (SM-30)

EVM-302 / 308

- Easy communication through PC, e.g. save and manage electric voltage data (S/W offers)
- Use either SM-10 or SM-30 sensor
- EVM-302 : max. 2 sensors connection / EVM-308 : max. 8 sensors connection
- Individual or multiple set-ups are available.
- In display panel, user can see the actual data value in real time.
- If there are any exceed voltage are detected, the alarm will be on.

Specifications

▶ SM-10 / 30

Parameter	Description / Value		Remark
	SM-10	SM-30	
Weight	60g	150g	
Operation Circumstance	0°C ~ +50°C (32°F ~ 122°F), 35% ~ 85% RH, Non-Condensing		
Warranty	1 Year		

▶ EVM-302 / 308

Parameter	Description / Value		Remark
	EVM-302	EVM-308	
Input Power	AC 100V ~ 240V, 50/60Hz		
Power Consumption	15W	40W	
Current Consumption	68mA	181mA	AC 220V
Measuring Range	SM-10	Precision Mode : 0V ~ ±5kV / Wide Range Mode : 0V ~ ±40kV	
	SM-30	Precision Mode : 0V ~ ±20kV / Wide Range Mode : 0V ~ ±60kV	
Installation Distance for Sensor	SM-10	10mm ~ 100mm	
	SM-30	100mm ~ 700mm	
Operation Circumstance	0°C ~ +50°C(32°F ~ 122°F), 35% ~ 85% RH		Non-Condensing
Weight	2.48kg	5.5kg	
Output Signal	Alarm Output	Alarm Output, RS-232 / RS-485 Communication(for EVM/EMS)	
Accuracy	±5% (F.S)		Option
Sensor	1 ~ 2ea	1 ~ 8ea	
Warranty	1 year		

Electrostatic Monitoring System Block-Diagram

