

Electrostatic Field Meter

Palm-sized electrostatic measuring device ideal for checking ion balance and Sensor for polarity of static charge.

Static Super Scale

Features:

- Measuring polarity and intensity of static charge on parts and assembly lines
- Checking ion balance performance of various ionizers

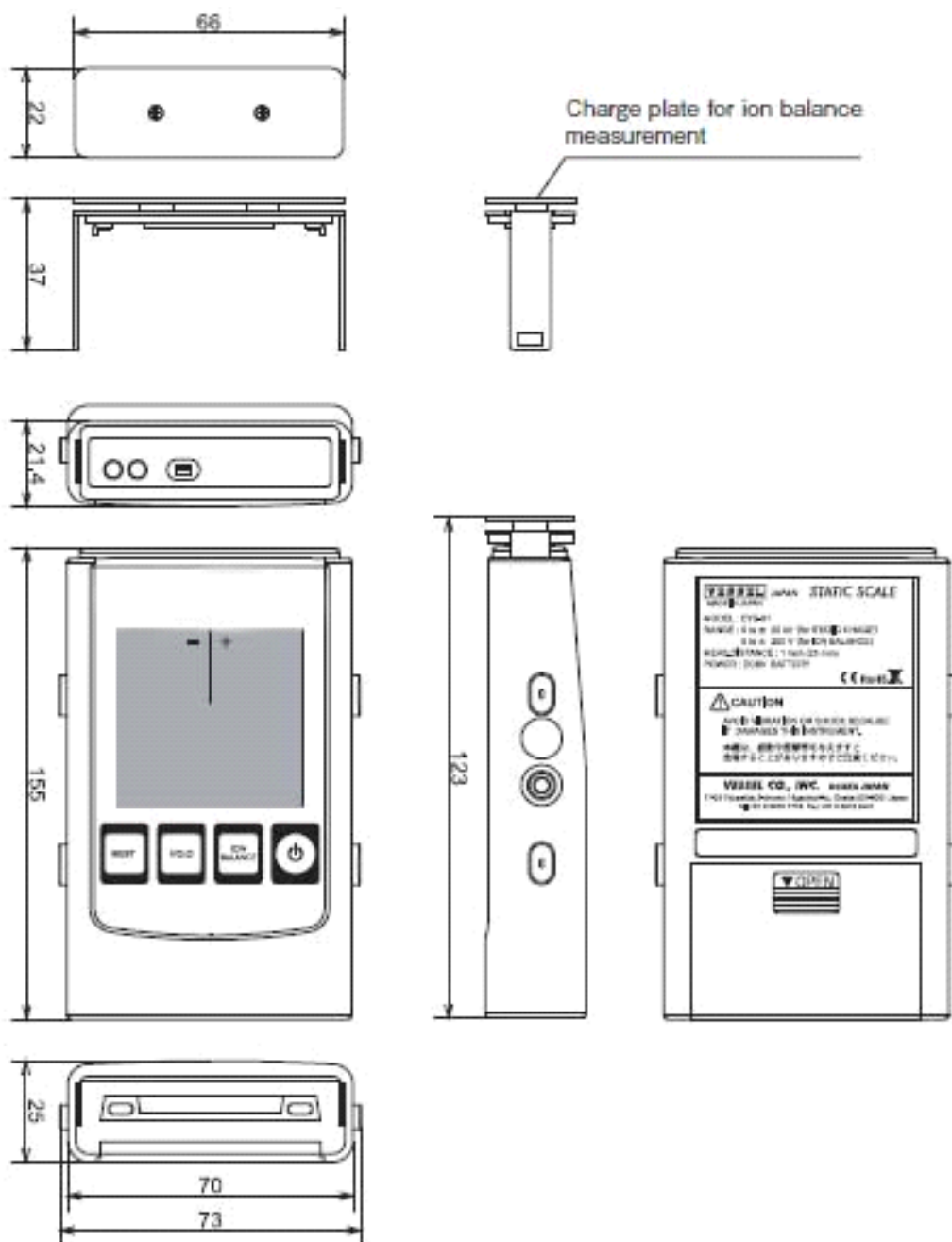


Electro Static Field Meter

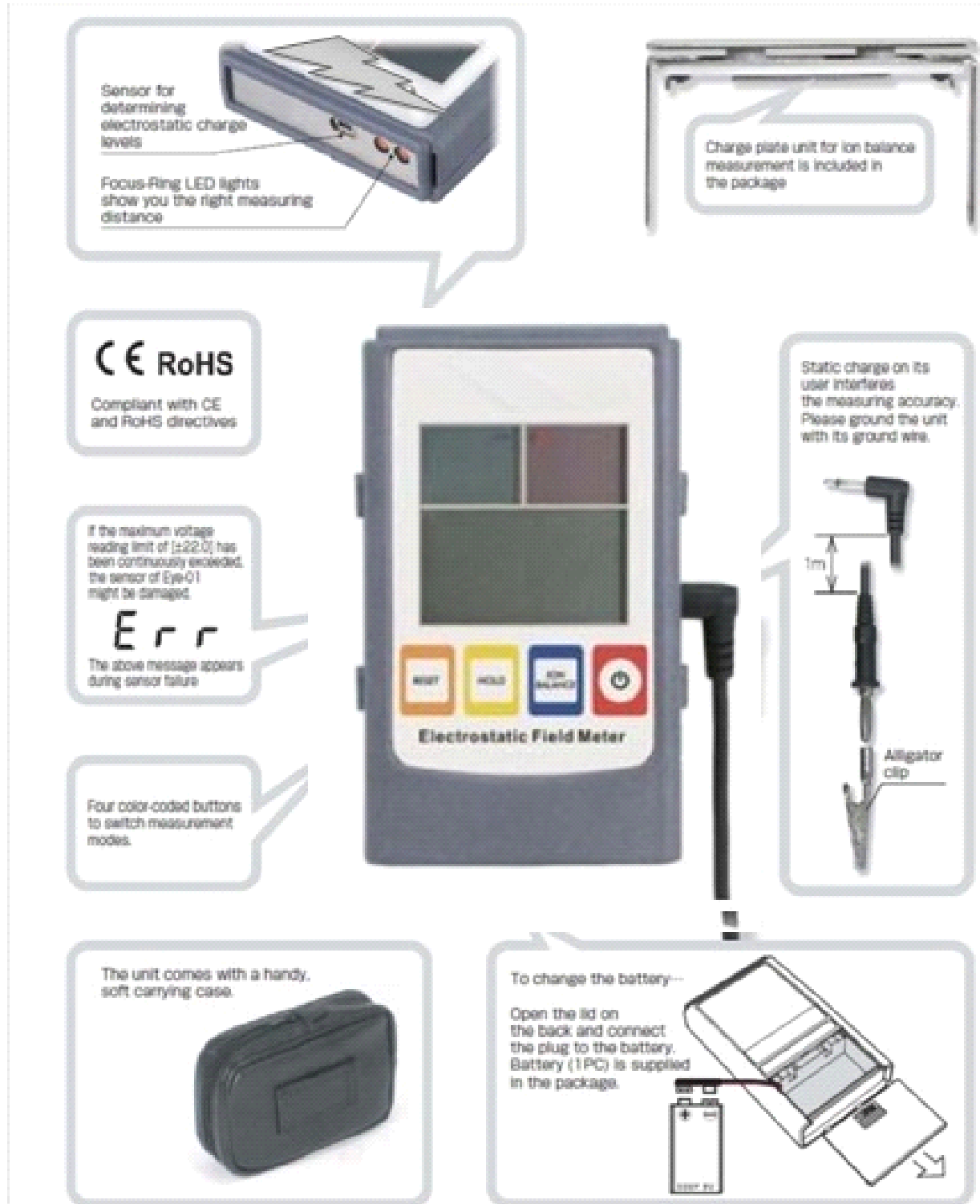
Technical Specification:

Measuring range	Static voltage	$\pm 0 \sim \pm 1.49 \text{ kV}$ (Low range)
	measuring range	$\pm 1.0 \sim \pm 20.0 \text{ kV}$ (High range)
	Ion balance voltage measuring range	$0 \sim \pm 200 \text{ V}$
Measuring distance	25 mm \pm 0.5 (between charged object and field meter)	
Accuracy	$\pm 10\%$	
Ambient conditions	10°C ~ 40 °C, 680%RH or lower	
Display	Large LCD display (Digital and bar graph)	
Power	9V, 6F22Y manganese battery: 1PCE (Life: Approx. 30hours)	
Weight with battery	Approx. 140g without ion balance plate (Ion balance plate : Approx. 30g)	
Case material	Conductive resin (ABS)	
	Charge plate for ion balance measurement :1PCE	
	Ground cord : 1PCE (w/ alligator clip)	
Accessories	Battery : 1PCE (006P)	
	Soft case : 1PCE	
	For checking the performance of ionizers, locating and measuring electrostatic charge build-up, deciding best location for installing ionizers and testing their efficiency, etc.	
Applications		

Dimensions:



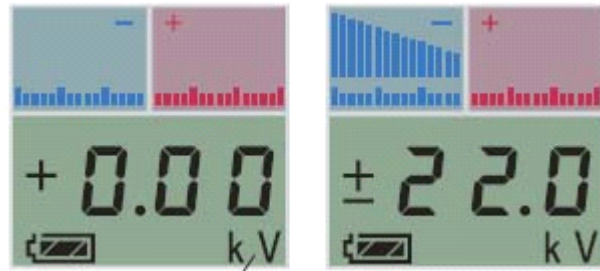
Multifunctional static field meter with an incorporated one-chip microcomputer



Function to check the static charge

Static charge measurement mode (Standard mode)" to check if the object is statically charged.

The digital numerical value and the bar graph displayed on the LCD indicate the static voltage on the target object. meter is calibrated for the voltage range 0 to



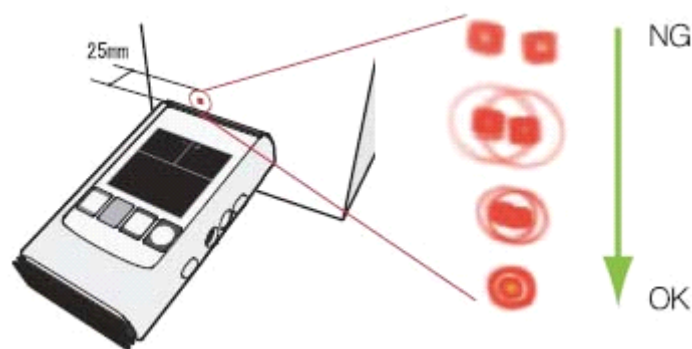
The unit of measurement : kV

If the reading blinks at [±22.0] with a continuous warning sound during the static charge measurement, maximum voltage reading limit has been exceeded.

For accurate measurement, make sure to ground meter with its ground wire.

"Focus-Ring LEDs" show you the proper measuring distance.

The measuring distance between meter and the target object needs to be 25mm±0.5mm. This measuring distance can be easily checked by "Focus Rings" beamed from the two red LEDs on the sensor side of meter. Position the meter at where the two red light beams converge as one concentric circle for accurate measurement.

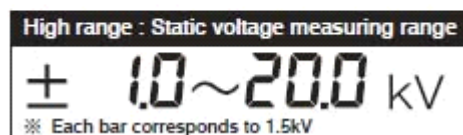
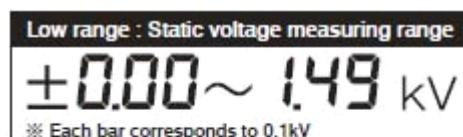


How to activate "standard mode"



Press "POWER" button once and the unit will be set to "static charge measurement mode (standard mode)."

"Automatic ranging digital display"



While

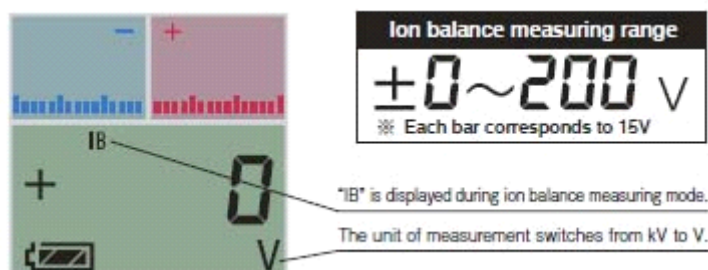
in standard mode, the decimal point is automatically set to a right position.



Function to check the ion balance of ionizers

"Ion balance measuring mode" to check the performance of ionizers.

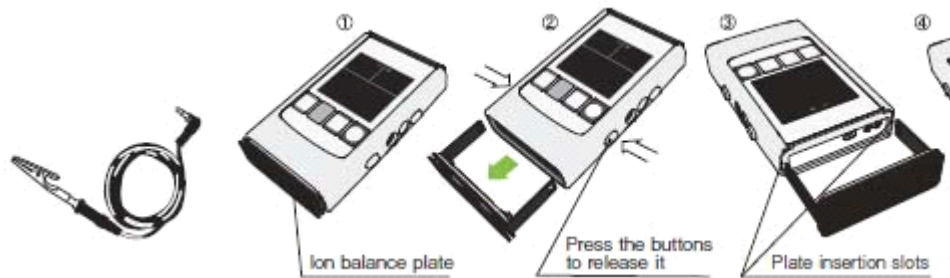
Meter, designed to be compact and lightweight, making it ideal for periodic verification of ionizers, including those installed on hard-to-reach places like automated machinery or workbenches. BoschStat can be used to measure low voltages up to 200V in the ion balance mode.



Installing "the ion balance plate" before measurement.

Before starting ion balance measurement, install the ion balance plate to the top end having the sensor.

For accurate measurement, make sure to ground the meter with its ground wire.



How to activate "standard mode"



Turn it on by pressing POWER button and then press ION BALANCE button.

The ion balance plate is kept on the bottom end.

The ion balance plate can be kept attached to the bottom end when not in use.



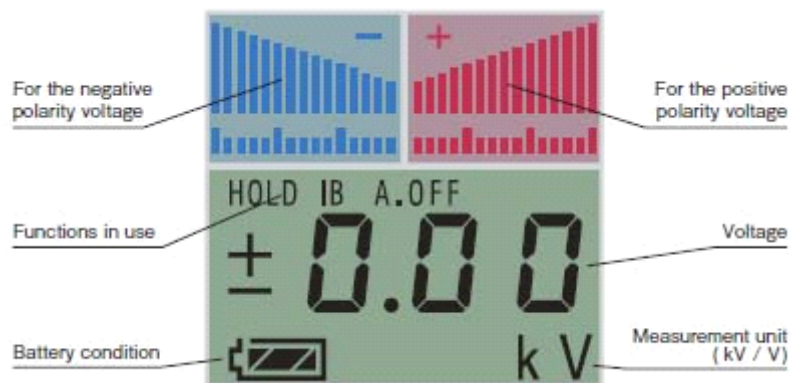
Easy-to-see large LCD display

"Wide LCD display" with three sections.

The upper left section displays bar graph in blue to indicate negative polarity voltage.

The upper right section displays bar graph in red to indicate positive polarity voltage.

The lower section display shows reader-friendly numerical values, voltage measurement unit, and functions in use.



"Battery condition display" to know when to replace the battery.

The battery condition icon changes in 4 stages as the battery level decreases. Replace the battery when display shows the battery to be empty.



The life of the included 9V, 6F22 Manganese battery: Approx. 30hours.

"LED lighting function" to read measurement values in the dark. indicates its operating status by beep sound.

Beep sound represents the following conditions:

Switch on and off the LCD backlight by the POWER button.

- Turn off the LED: Keep POWER pressed for less than 1 sec or 3-5 sec.
- When turned on to the standard mode ... 1 beep
- When turned on w/o auto power off function ... 3 beeps
- Auto power off indication ... 5 beeps
- Over range ... 1 long beep
- Turn on the LED: Keep POWER pressed for 1-3 secs or more than 5 secs.



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