Ohm-Stat™ FM-1126 Electrostatic Field Meter

Palm-sized electrostatic measuring device ideal for checking ion balance for polarity and value of static charged materials.

Features:

- Measuring polarity and intensity of static charge on parts and assembly lines
- Checking ion balance performance of ionizers
- CE, RoHS, S.20.20 compliant
- Calibration certificate included

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Technical Specification:

Measuring range: Static voltage - +0 ~ + 1.49kV (low range)
Measuring range - +1.0~+20.0kV (high range)
Ion balance voltage measuring range- 0 ~ + 200V

Measuring distance: 1" + 0.5" (between charged object and field meter)

Accuracy: +10%

Ambient conditions: 50°F ~ 104°F, 68.0% RH or lower

Display power: Large easy to read LCD display (digital and bar graph)
9V manganese alkaline battery: (Life: Approx. 30 hours)

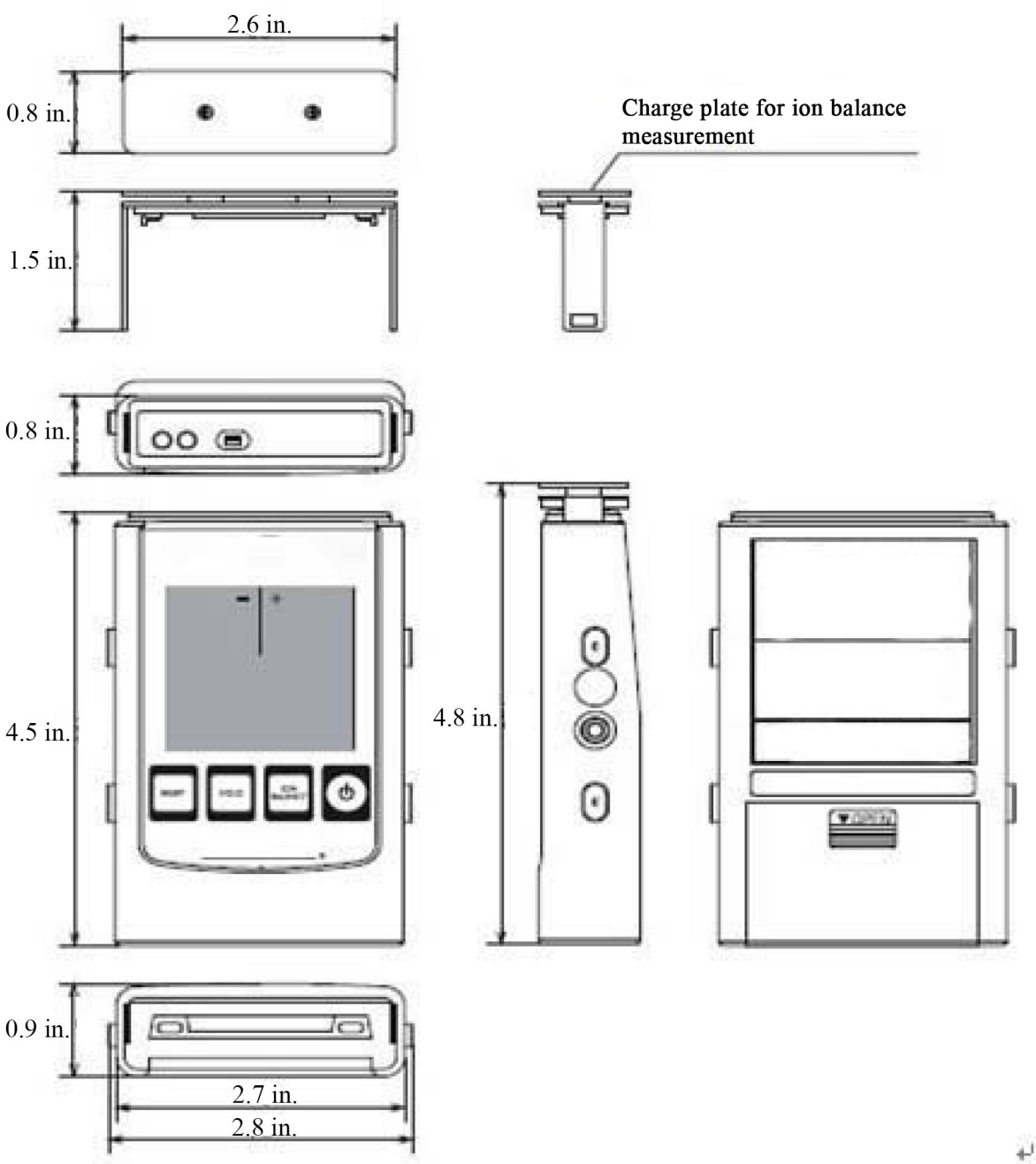
Weight with battery: Approx. .30 lbs without ion balance plate (Ionizer balance plate: appro. .07 lbs. total with balance plate = .37 lbs.)

Case material: Conductive resin (ABS)

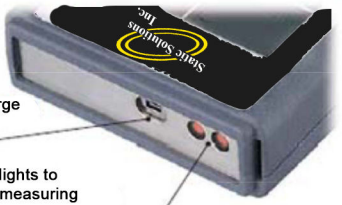
Acessories: Battery - 9 volt alkaline
Soft case - one piece
Charge plate for ion balance measurement
Ground cord (w/ alligator clip)

Applications: For checking the performance of ionizers, locating and measuring electrostatic charge build-up on materials and deciding the best location for installing ionizers and testing their efficiency.

Dimensions:

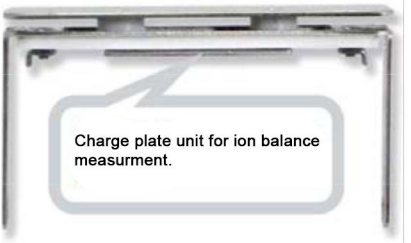

2.6 in.
0.8 in.
Charge plate for ion balance measurement
1.5 in.
0.8 in.
4.5 in.
4.8 in.
0.9 in.
2.7 in.
2.8 in.

Multifunctional Ohm-Stat™ static field meter FM-1126 with an incorporated one-chip microcomputer and ionizer charge plate



Sensor for determining electriostatic charge levels

Focus-Ring LED lights to show the correct measuring distance



Charge plate unit for ion balance measurment.

Compliant with CE and RoHS directives.

Static charge on its user interferes the measuring accuracy. Please ground the unit with its ground wire.

If the maximum voltage reading limit of [+22.0] has been continuously exceeded, the sensor might be damaged

Err

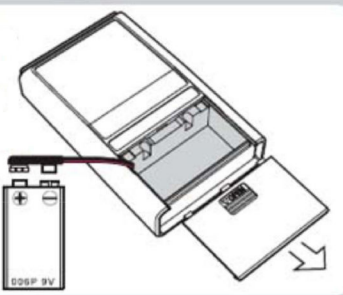
The above message appears during sensor failure

Four color-coded buttons to switch measurement modes

The unit comes with a protective, soft carrying case.

To change the battery -

Open the lid on the back and connect the plug to the battery. Battery is supplied in the package.

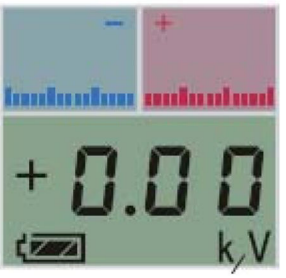


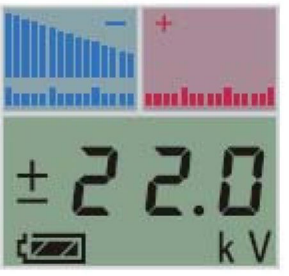
Function to check the static charge

Static charge measurement mode “standard mode” to check if the object is electrically charged.

The digital numerical value and the bar graph displayed on the LCD indicate the static voltage on the target object. The FM-1126 is calibrated for the voltage range 0 to +20kV

For accurate measurement, ground the FM-1126 with its ground wire.



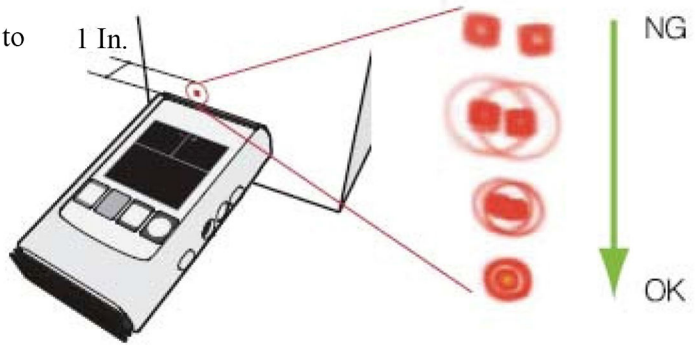


The unit of measurement KV:

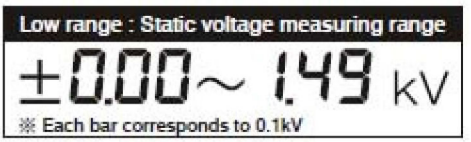
If the reading blinks at [+22.0] with a continuous warning sound during the static charge measurement, maximum voltage reading limit has been exceeded.

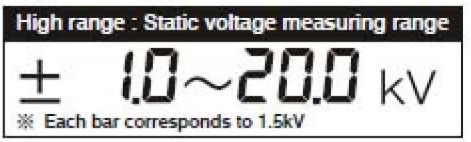
“Focus-Ring LEDs” show you the proper measuring distance.

The measuring distance between FM-1126 and the target object needs to be 1” + 0.020”. This measuring distance can be easily checked by “Focus Rings” beamed from the two red LEDs on the sensor side of the FM-1126. Position FM-1126 where the two red light beams converge as one concentric circle for an accurate measurment.



“Automatic ranging digital display”





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

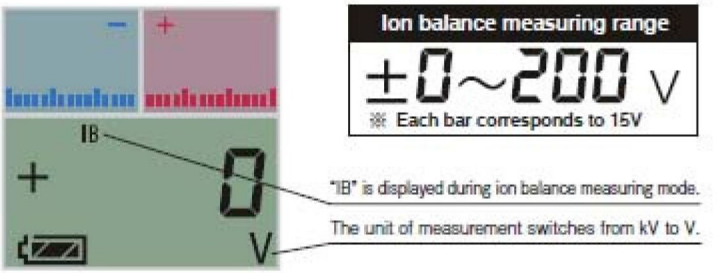
How to activate “standard mode”

Press the “power” button once and the unit will be set to “static charge measurement mode (standard mode).”

Function to check the ion balance of ionizers

“Ion balance measuring mode” to check the performance of ionizer.

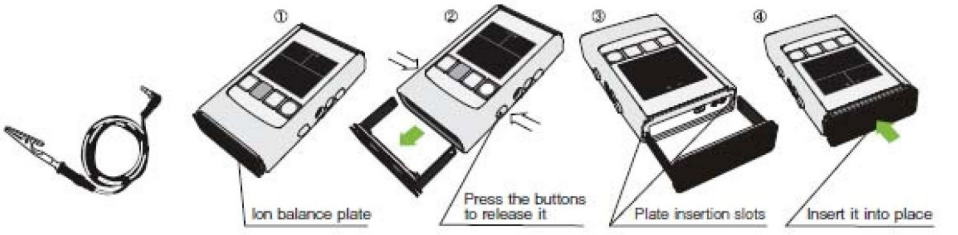
The FM-1126 is designed to be compact and lightweight, making it ideal for periodic verification of ionizers, including those installed on hard to reach places. The FM-1126 can beused to measure low voltages up to 200v in the ion balance mode. The ion balance plate must be installed to perform this measurement.



Installing “the ion balance plate” before measurement.

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

For accurate measurement, make sure to ground the FM-1126 with its ground wire.



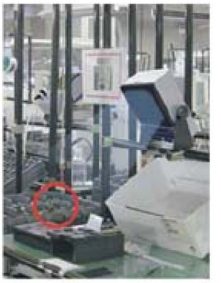
How to activate “standard mode”

Turn the FM-1126 on by pressing the 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





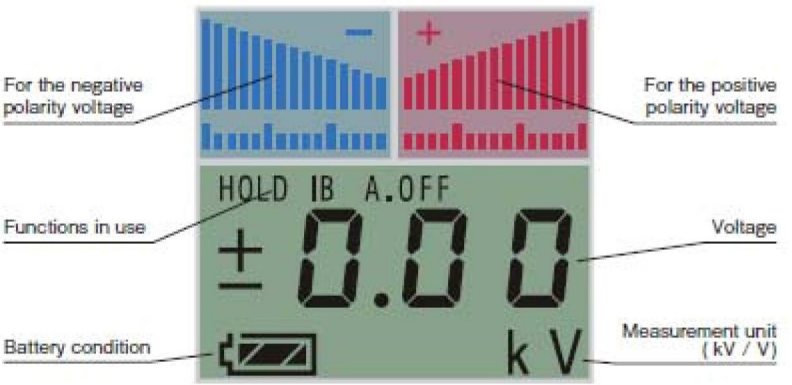

Easy-to-see large LCD display

"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 alkaline battery: Approx. 30 hours

"LED lighting function" to read measurement values in the dark.

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

- Turn off the LED: Keep the power button pressed for less than 1 second or 3-5 seconds
- When turned on to the standard mode … 1 beep

Ohm-Stat™ FM-1126 indicates its operating status by a beeping sound.

Beep sound represents the following conditions:

- 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 the power button pressed for 1-3 seconds or more than 5 seconds