TRANSFORMING TECHNOLOGIES
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

Test Equipment

7100.EFM51.VK

# Warmbier Test Equipment

## EFM51 Verification Kit



**A handheld meter to test ESD floor compliance by measuring the voltage generated by walking, as well as ionizer performance.**

The EFM51WT Walking Test Kit is a hand-held meter used to test the performance of ESD floors in combination with a person per ANSI/ESD STM 97.2. and IEC Standard 61340-4-5.

The EFM51WT meter is also a fully functioning field meter used to measure and detect electrostatic fields, surface potentials and discharge times (with optional charge plate accessory.) The charge plate accessory along with the meter can test and verify ionizers.

The EFM51.CPS is a full-featured hand-held field meter used to evaluate ESD ionizers efficiency as well as perform static surveys and evaluate charge accumulation in electronic manufacturing and in industrial operations. The meter measures the decay time from +1.000V to +100V or -1.000V to -100V with its integrated start-stop timer. The plate is charged manually via the handheld high voltage generator.

The EFM51 meets periodic test requirements per Compliance Verification ESD TR53 and conforms to ANSI/EOS/ESD (S4.1, S7.1, S12.1, S2.1).

### Applications:

**The EFM51 Verification Kit is used to measure voltage generated by walking. The EFM51.VK is also used to evaluate ionizers efficiency as well as measure static fields, potentials, and discharge times.**

## Features

- **Tests ESD Floor Compliance per ANSI/ESD STM 97.2. and IEC 61340-4-5.**
- **Measures the decay time from +1.000V to +100V or -1.000V to -100V with its integrated start-stop timer.**
- **Includes a handheld high voltage generator.**
- **Two LED guide ring lights help position the field meter.**
- **Digital LCD Results Display**

### Warranty:

12 Month Limited Warranty

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



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**Test Equipment**

**7100.EFM51.VK**







## Specifications:

| | |
|---|---|
| Weight: | 4.6oz (without battery) |
| Test Method: | Rotating Chopper |
| Test Range: | 0V - ±160kV distance mode, 0 - 800 kV/m field strength mode |
| Display: | 2 lines, 12 digit alpha numeric LCD display |
| Operation: | 9V alkaline battery |
| Operating Time: | 10 hours continuous use |

## Part Numbers:

| | |
|---|---|
| 7100.EFM51.VK: | EFM51 Verification Kit |
| 7100.EFM51.WT: | EFM51 Walking Test |
| 7100.EFM51.CPS: | EFM51 Charged Plate System |
| 7100.EFM51: | EFM51 Electrostatic Field Meter |




EFM51.CPS Charge Plate Kit



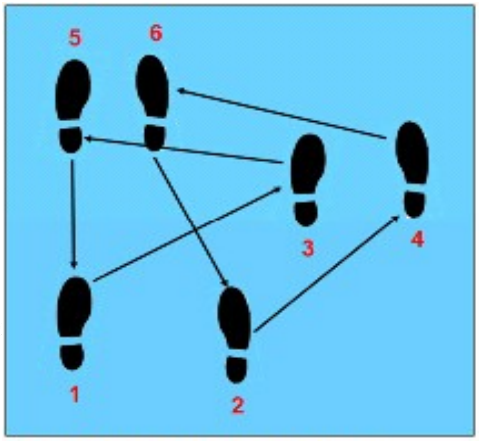




Figure 1. Walking Test Pattern

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