



Made in America

# Auto Calibration Unit Operation and Maintenance



Figure 1. EMIT Auto Calibration Unit, Item [50610](#)

## Description

The EMIT [50610](#) Auto Calibration Unit instantly calibrates a CE Ionizer to NIST traceable specifications. By using the Auto Calibration Unit, one will minimize workstation down time because the ionizers will not have to be returned to the factory for calibration. The visual balance indicator displays the ionizer's balance level. The Auto Calibration Unit derives its power from the ionizer under test. This eliminates the need for batteries or power supplies. Just plug the [50610](#) into the ionizer and it is ready to use.

## Initial Set-Up

Ionizers are factory set at 18" above the bench. If your ionizer is other than 18" above the bench, please follow these set-up instructions.

- Ionizer is mounted in actual use location.
- Place Charged Plate Analyzer alongside the Auto Calibration Unit.
- With the Auto Calibration Unit plugged in, make slight offset adjustments on bottom right of ionizer. This adjustment compensates for the mounting height of the ionizer and geometry of the workstation.
- After initial calibration with Charged Plate Analyzer, the ionizer can be recalibrated with only the Auto Calibration Unit.

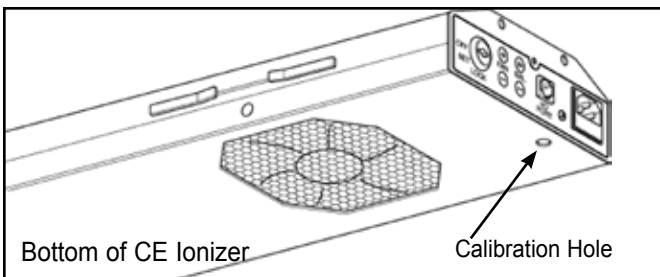


Figure 2. Initial set-up of CE Ionizer for calibration

## Operation

- Place the Auto Calibration Unit under the ionizer and center.
- Switch on power to the ionizer.

- Connect one end of the patch cord into the [50610](#) and the other end to the ionizer that is labeled I/O port.
- Insert probe or tool to zero the [50610](#).
- The Auto Calibration Unit will automatically calibrate the ionizer back to balance. Leave the [50610](#) connected to the ionizer for 40-60 seconds to allow the ionizer to stabilize.
- Unplug the Calibration Unit and return the ionizer to service.

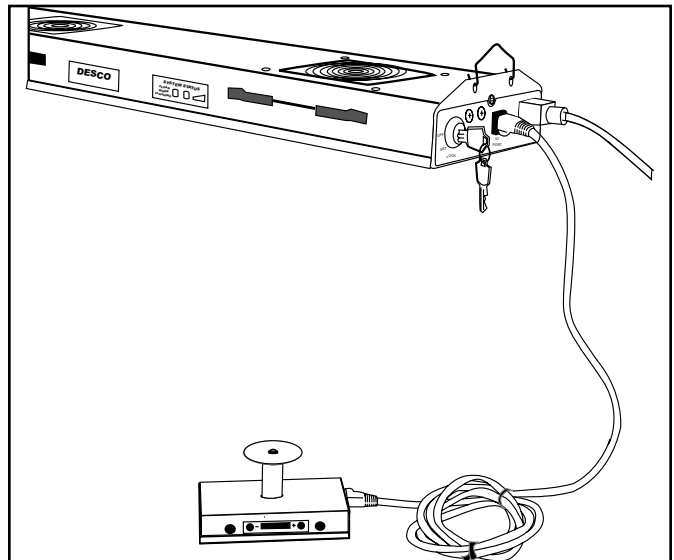


Figure 3. Operation of the Auto Calibration Unit

## Limited Warranty

EMIT expressly warrants that for a period of five (5) years from the date of purchase, EMIT Calibration Units will be free of defects in material (parts) and workmanship (labor). Within the warranty period, a credit for purchase of replacement EMIT products, or, at EMIT's option, the product will be repaired or replaced free of charge. If product credit is issued, the amount will be calculated by multiplying the unused portion of the expected five year life times the original unit purchase price. Call our Customer Service Department at 909-664-9800 (Chino, CA) or 01892 665313 (Crowborough, U.K.) for a Return Material Authorization (RMA) and proper shipping instructions and address. Please include a copy of your original packing slip, invoice, or other proof of date of purchase. Any unit under warranty should be shipped prepaid to the EMIT factory. Warranty replacements will take approximately two weeks.

If your unit is out of warranty, call our Customer Service Department at 909-664-9800 (Chino, CA) or 01892 665313 (Crowborough, U.K.) for a Return Material Authorization (RMA) and proper shipping instructions and address. EMIT will quote repair charges necessary to bring your unit up to factory standards.

## Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

## Limit of Liability

In no event will EMIT or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.