



## SSE Continuous Operator/Benchmat Monitor (81010)

### Installation, Operating and Technical Information

#### Overview:

The SSE Constant Workstation Monitor is designed to monitor benchmat grounding and integrity of the operator's wristband and lead.

#### Features:

- Provides a ground to an ESD bench mat (via 10mm male press stud).
- Operators connect a wristband and lead through the front mounted 4mm banana socket/10mm male press stud.
- Park stud for wristband lead when workstation is left unattended.
- Sounds an alarm and gives a visual warning LED if the path to ground or personal grounding fails.
- Body mass adjustment to tailor individual users if necessary.

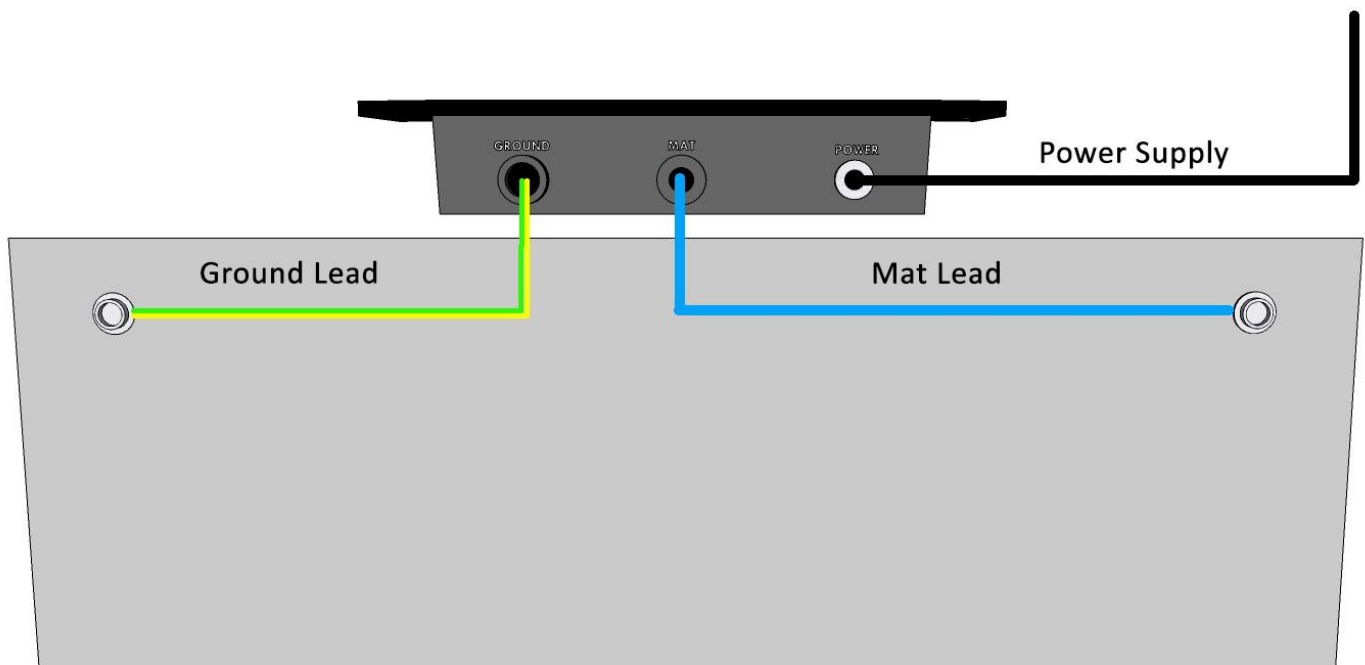
#### Contents:

- 81010 SSE Continuous Operator/Benchmat Monitor
- 12v power supply
- 1800mm worksurface monitoring straight lead
- Fixing screws

## Installation:

Secure the SSE Constant Workstation Monitor to the underside front edge of your workstation using the supplied fixing screws or method to suit.

- Connect the ground lead to a 10mm male press stud on the ESD benchmat to be monitored.
- Connect the supplied 1800mm mat monitoring straight lead into the 4mm “mat” socket at rear of the monitor and connect the other end to a 10mm male press stud on the benchmat.
- Connect a wrist strap lead to the 10mm stud/banana operator socket on the right hand side of the monitor.
- Connect the power supply



## Operation:

The SSE Continuous Operator/Benchmat Monitor introduces a ground to the benchmat through the ground lead and monitors the benchmat through the mat lead. It also provides a path to ground for the operator through a connected wristband and lead.

An alarm will sound if:

- The ground lead is disconnected
- The mat lead is disconnected
- A wristband lead is not connected
- A connected wristband is not worn by the operator
- The wristband lead is not parked when the operator is not present
- Either the wristband or lead is faulty

Note: The SSE Continuous Operator/Benchmat Monitor can also be used solely as a wristband and lead monitor by connecting the ground lead to the mat stud/socket on the rear of the monitor.

## Specifications:

- Resistance level high fail for benchmat -  $>50\text{m}\Omega^A$
- Wristband/Lead – Capacitance level can be adjusted to suit individual user by slowly increasing or decreasing the “adjust” button on the front of the monitor using a screwdriver.
- Operating voltage - 12v
- Dimensions - 124mm x 50mm x 25mm

A *BS EN 61340-5-1: 2016 Electrostatics: Protection of electronic devices from electrostatic phenomena – General requirements EPA Requirements. Working surfaces resistance to ground  $< 1 \times 10^9 \Omega$*