



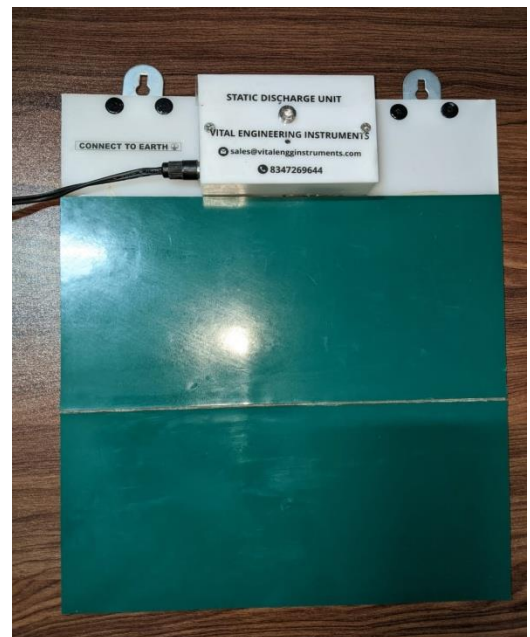
VITAL ENGINEERING INSTRUMENTS

Plot B103 Darshnam Antica Residency, Opp Heavy Water Tank, Danteshwar-04, Vadodara, GUJARAT.

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Static Discharge Touch Pad – With Green Indication

Static discharge pad is one of the means of dissipating (Neutralizing) Electro static charge on human body, when touched with palm.



Principle of Working :

Personnel, during normal activity, generate electro static charge on the body and gets stored in capacitance there of (Typical value 150 to 220 pF).

When a person, having acquired charged it is necessary that he identified earth path to remove it. The electro static charge slowly discharges to earth through pad surface and built in resistors. This discharge energy is indicated by GREEN indication.

If the Touch Pad is Not Earthed Properly, the System with first in Class design will not give the indication for Static Charge removal



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Installation:

Static discharge pad is wall mounting type. This can be fixed at any place in Hazardous or Non Hazardous areas with good illumination. The earth terminal is to be connected to Earth pit. The static discharge pad should be away from direct sun light.

Maintenance:

The SDPD surface is to be cleaned daily with a dry cloth to remove surface contamination.

Technical Specification:

- 1) Pad surface resistivity = 100 Mega Ohms.
- 2) Pad surface to earth terminal \approx 50 Mega Ohms.
- 3) Charge decay: less than 2 seconds.



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