

DESCO

Choosing the Right Wrist Strap Monitor

There are 3 monitor technology types: Capacitance, Wave Distortion (impedance), and Resistance. At Desco, we produce and own the patents for the latter two. We could build capacitance monitors but we choose not to. Desco Wave Distortion and Resistance Wrist Strap Monitors are true “Continuous” Monitors.



Desco offers several waveform distortion units, including our 19230 Dual Operator Workstation Continuous Monitor with Satellites

That is, they monitor the body/wrist strap connection 100% of the time.

The following are the primary advantages of Wave Distortion and Resistance technology vs. competitive Capacitance technology:

1. Desco technology senses and monitors the presence of the 1-megohm safety resistor in the coiled cord (capacitance does not). Should the resistance drop below 750k ohms, you will get an audible and visual alarm.
2. Desco technology cannot easily be fooled by simply changing the capacitance of the body/wrist strap interface. For instance, simple capacitance monitors can be fooled into reading good by simply bunching up the coiled cord in your hand, the presence of current leakage in the environment, etc.
3. Desco monitors are safe for even the most sensitive ESDS devices. Body voltage is 1.5 volts or less.
4. Desco monitors have “parking snaps”, allowing you to leave your cord at the work station, thereby reducing loss and increasing longevity.
5. Desco has several convenient models to choose from. Models are available to monitor operator only, operator and work surface, and models with data collection capability.
6. Wave Distortion and Resistance technology are extremely reliable. Some Desco monitors offer up to a five year warranty. All Desco monitors can be calibrated in-house using an optional calibration unit.
7. Desco monitors will monitor all standard single-wire and dual-wire wristbands and coil cords on the market. However, your greatest wrist strap and cord longevity can be expected when Desco monitors are used in conjunction with Desco brand wristbands and coil cords.
8. Desco monitors have a long history of reliability and are used by most of the major electronics manufacturers around the world.