Attaching and Replacing ScanVision Electrodes

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This article will guide you on how to properly attach, or replace the electrodes on your ScanVision devices. Regular replacement will ensure proper readings and the prolong the lifespan of your devices.

Supplies:

- Static Electrodes - You can purchase these online in our store.

Procedure

1. Ensure the ScanVision posts cups are completely dry (if you recently cleaned them, let them air dry overnight).
2. Attaching electrodes: take one electrode and insert the narrow end into the post and firmly push straight down. You will feel it snap into place. Repeat with the rest of the electrodes posts.
3. Removing electrodes: firmly grasp the electrode and pull straight out.



Electrode Best Practices

Static electrodes are a disposable component and are designed to be replaced regularly as the conductive coating will wear off with use. Follow these tips to get the best readings out of your ScanVision:

1. Make sure to clean your ScanVision front-end daily if you are using the device regularly.
2. Replace your electrodes after 100 scans. A good way to track this is to change electrodes when you go through 2 jars of QuickScan Pads. One jar = 50 pads.
3. Visual Check: When you see the dark, matte grey on the electrode surface become lighter, shiny silver, you need to replace them.
4. If you are not using your device regularly, it's best to remove the electrodes before storing it.

Common Problems

Leaving the Electrodes Attached for Long Periods: If do not scan on a weekly basis, we recommend removing the electrodes when your device is not in use. Attach electrodes only when performing a scan. This will reduce the need for weekly cleaning. Otherwise, storing with the electrodes attached can cause the metal in the electrodes and posts to react to each other, creating a build up of rust and corrosion.

Discolored/Rusted Posts: A common cause for a discolored/rusted posts is a result of improper cleaning and maintenance. Be sure you are cleaning with the correct percentage of Isopropyl alcohol (90% +). If your posts look like the image below, you will need to purchase a new Front-End or send your device in for repair if it's an older model.

IMPORTANT: Even mild corrosion, which can look like a small discoloration of the posts or a dullness, can cause inaccurate readings. Corrosion causes the ScanVision to pick up electrical interference from your environment. The more electrical interference the environment has, the more likely the ScanVision will have inaccurate readings when corrosion is present.



Why is discoloration bad?

Rust and corrosion can cause inaccurate readings and increase the time it takes to get measurements. Even a small amount of discoloration can create problems during testing. If left unchecked, rust and corrosion can spread inside the device, destroying internal components. This can lead to costly repairs or needing to replace the device entirely.

For more information about what to do in case of discoloration, please see our cleaning instructions for details.