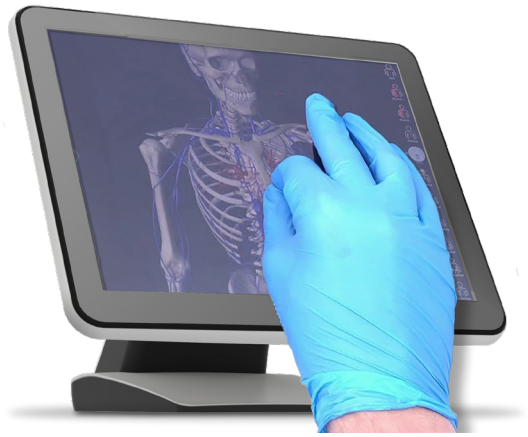
Projected Capacitive Touch Screen Cleaning Protocol



The presence of touch connectivity in a variety of medical environments has become more prevalent as technologies in this industry demand continuity across applications.

More than likely, you've seen a staggering increase in the use of touch devices for both your day-to-day and work routines. The expectation of commonality between user-experience and performance for every touch interface has matured in your industry.

Where have you noticed these touch devices?

Maybe you've seen an increase in check-in/out locations, cart and pill dispensers or nursing stations using touch technology. Even many of the medical devices you may interact with everyday, like x-ray machines, patient kiosks, heart monitors and ultrasound machines have all been transitioning to touch.

As the need for the devices supporting these applications grows, so does the risk factor with microbe and bacteria build-up on the displays. GOOD NEWS!! The cleanability of your new touch device is now far easier than cleaning your traditional computer, keyboard and respective accessories. Did you know that the University of Arizona conducted a study that showed keyboards have 400 times more bacteria than the average toilet seat? This is especially common with keyboards that are commonly shared between coworkers. You're in luck, because a touch device eliminates the need for a keyboard and encourages all purpose usability.

Did you know that a typical Projective Capacitive (PCAP) Touch design, which you've likely used with your personal devices, has a seamless glass front with a zero-bezel edge? This design makes the cleaning process for you and your coworkers easier; eliminating the worry of bacteria buildup, the transmission of germs and other harmful microbes while also ensuring a healthier and cleaner working environment.

Today more than ever, the assurance of cleanability for touch devices used in your day-to-day work routines is imperative to health security and maintenance during these challenging times.

Throughout your touch device's life, it will endure hundreds of thousands of touches across multiple scenarios—it's important that these touch solutions provide every opportunity of cleanliness. When selecting a touch solution, you and your team intend to frequently clean, you must make sure that your new device is constructed with materials rated at IP65 or higher, has an all glass front, cleanable housing materials and has been tested with high-use disinfectant solutions.

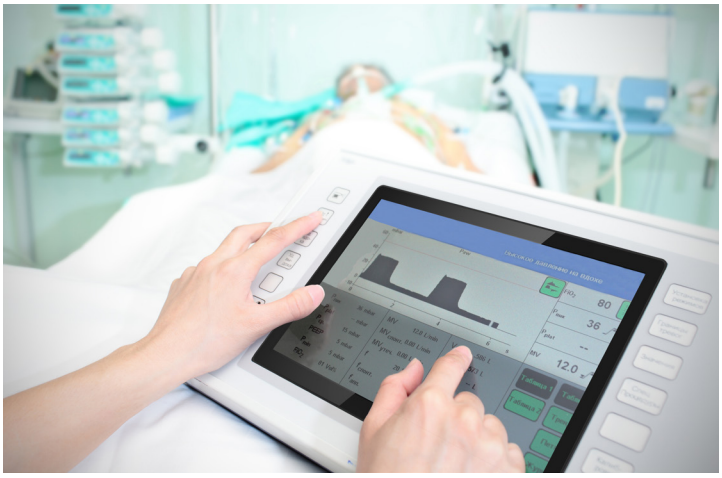
MicroTouch™ ensures that all touch solutions deployed in the field with PCAP touch technology are tested and validated with a wide range of disinfectant solutions for clean-ability to guarantee compliance with CDC regulations and guidelines.

What does an IP65 Rating mean?

IP65

6: Dust Tight - No ingress of dust; complete protection against contact.

5: Water jets - Water projected by a nozzle (6.3mm) against enclosure from any direction shall have no harmful effects.



CDC Recommendations and MicroTouch™ Guidelines for Cleaning

- All power cables should be disconnected prior to cleaning the unit.
- Clean unit with mild soap solution using a soft nonabrasive cloth. The cloth should be damp. Ring out any excess liquid before cleaning. Allow the unit to dry.
- Apply disinfecting solution to a soft nonabrasive cloth. TES recommends using alcohol such as ethanol 95% by volume or isopropyl alcohol (IPA) in a concentration of 70%. The cloth should be damp. Ring out any excess liquid before cleaning. Allow the unit to dry before reconnecting any cables.

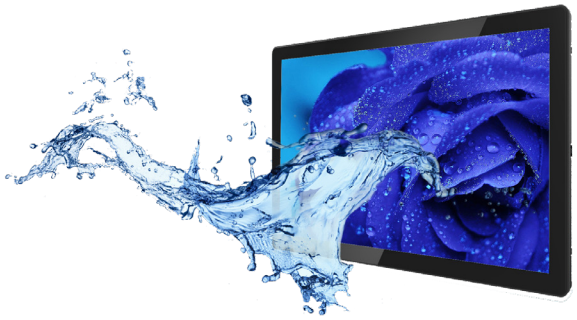
The following is a list of EPA recommended disinfectant products safe to use on MicroTouch™ products:

Product Name	Company	EPA Registration Number
Klercide 70/30 IPA	Ecolab Inc.	1677-249
Saginaw	Clorox Professional Products Company	67619-29
Urthpro	Urthtech, LLC	84368-1
Purell Professional Surface Disinfectant Wipes	GOJO Industries, Inc.	84150-1
Peak Disinfectant Wipes	North American Infection Control, LTD	88494-3

Note: Oxidants, acids, heavy solvents such as benzene or thinner, alkaline or abrasive detergents are not suitable for the cleaning of electronic products and should not be used.

For more information on CDC cleaning recommendations and guidelines please visit:

https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html



MicroTouch™ ensures the development and deployment of durable, cleanable, and user-friendly touch solutions. Our scalable, industry leading, touch technology is built using chemically strengthened glass with various thickness options. Over 20+ years of touch industry experience and an intuitive engineering staff, allows us to modify the touch sensitivity accommodating for thicker cover glass. By doing this there's an overall durability enhancement for harsh conditions without sacrificing functionality when introduced to human touch, a stylus or touch by a surgical glove.

For more information on how TES can help your business succeed in the medical industry, please contact:

us.sales@microtouch.com