



Zero the electrostatic charge meter while touching a grounded object.



Measure the charge at the surface of an insulator (Polycarbonate LEP Goggles).



Charge up the surface (rubbing a cloth against an insulator).



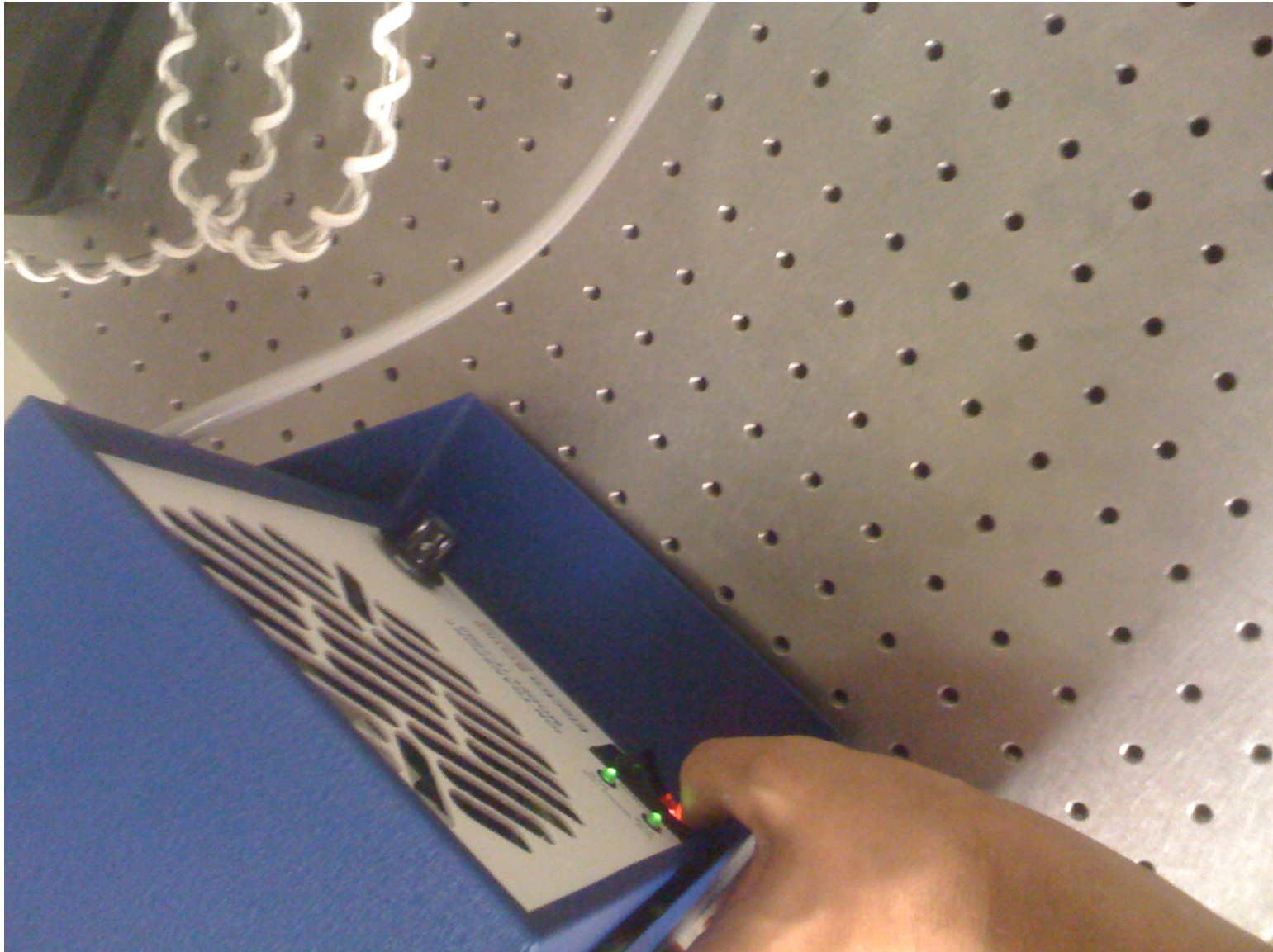
Now the meter shows a charge. The charge is sustained more than 3 mins (did not measure longer times).



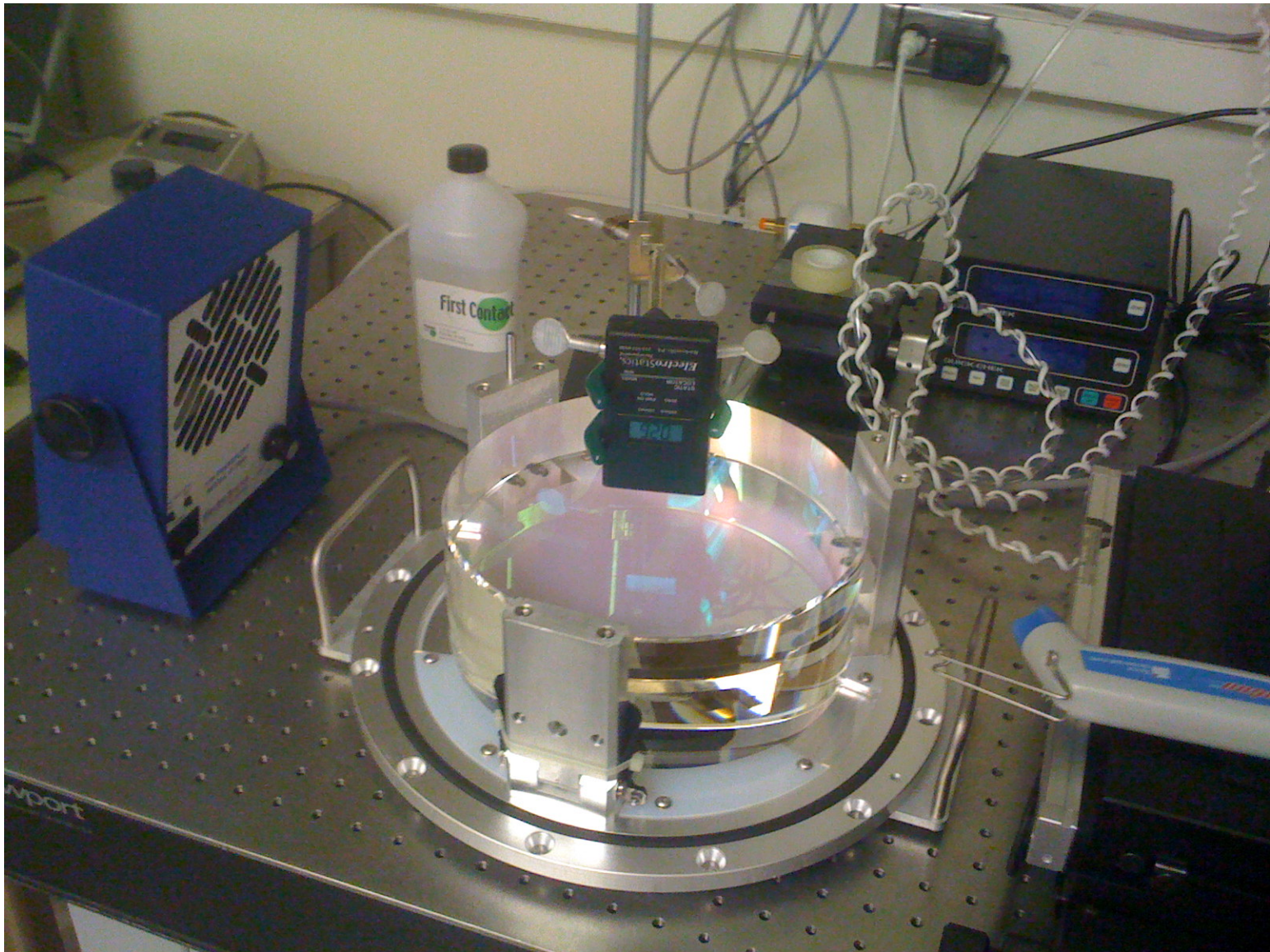
Apply Ionized N<sub>2</sub>, ultra high purity ~ 5 seconds.



Charge is gone.



This table-top ionizing blower that just uses room air seemed as effective in removing charge, on this simple test.

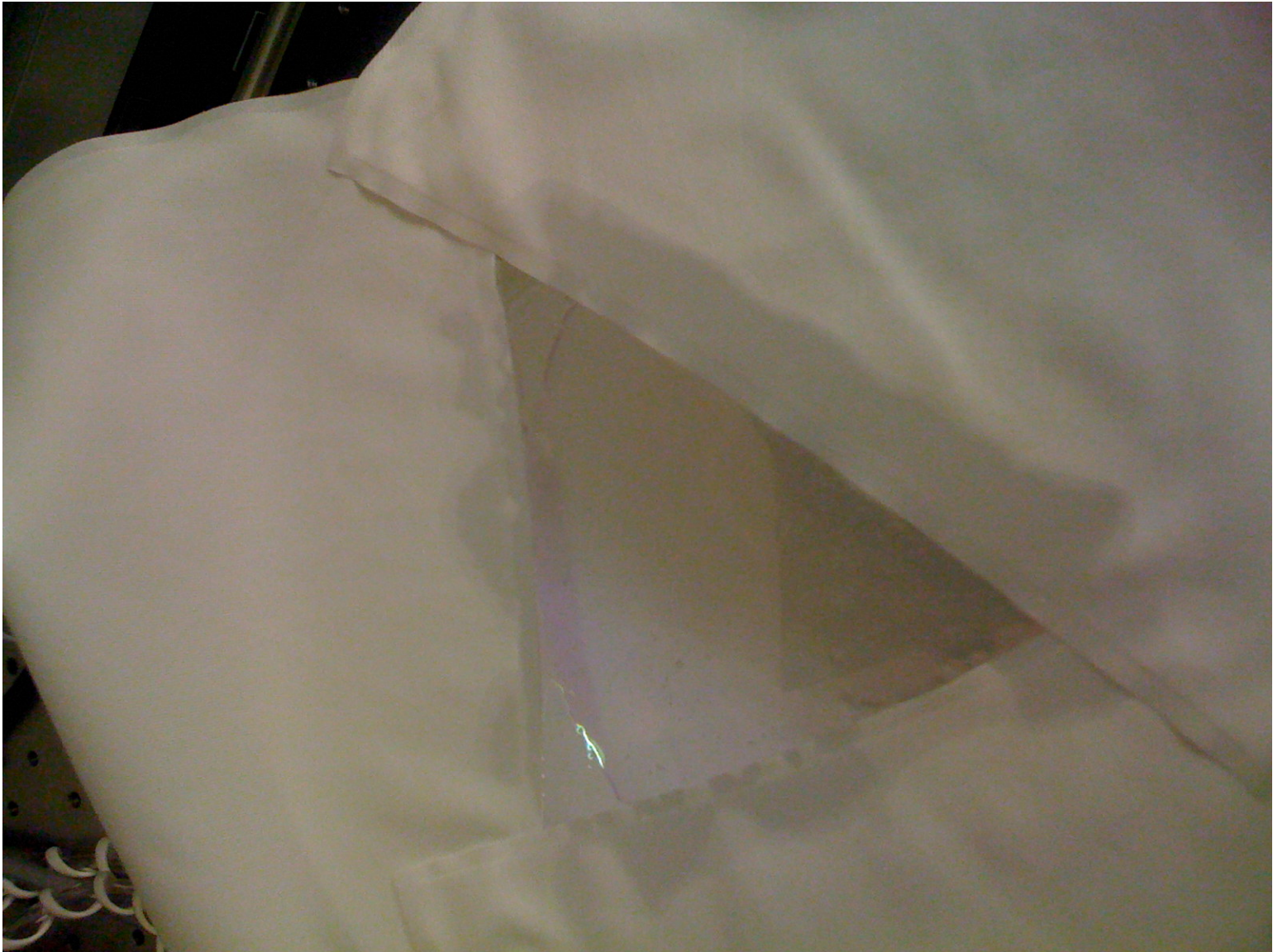


Simple set up for testing charge developed on a test mass when First Contact is peeled (meter not zeroed). Will see if we can prevent charge build-up during peeling while simultaneously ion blowing.





Attempting to use lint free rags as a mask for sprayed First Contact – NEED MECHANICAL DESIGNER.



Sprayed First Contact. This is very messy. Need the right fixture. Concepts discussed with Calum Torrie.

We can potentially leave the ring on during the installation. Duplicate rings with disposable membranes might be used for reapplying & removing FC when mounted vertically.

Discussing with Calum design strategy compatible all the other systems and the install procedure.

