**Demonstration test**

**Number of samples**
If you want to test 15-20 samples/1 demonstration test, it takes 4-5 hours to finish demonstration test.
It takes about 10 minutes to finish measuring each sample. You have to change sample, to measure and to determine WF (or IP).
And It takes about 1 hour to complete warm-up and set-up AC-2.

**Sample**
Sample Size: 20x20 – 50x50mm, less than 3mm in thick
Thin films (thickness 50-1000nm): prepare the sample material film on the conducting plate or on the glass substrate.
All of measuring side surface have to be covered with the sample material.
Keep the surface potential by static electricity around 0 V.
Demonstration test

**Handling**
Don’t touch on the measuring side of the sample surface.

**Carrying**
We recommend you to carry the samples in the metal box or case. Then, you can fix the samples on the bottom by the adhesive tape.

Don’t fix the samples too strong. We have to remove and measure them.
Example of Sample preparation 1

Ru dyes (N3, N719, Z907) and indoline dyes (D102, D149, D205)

Dyes were, respectively, prepared by dropping their solutes in ethanol on a glass substrate coated with an indium-tin oxide (ITO).

Before the measurements were started, the ethanol in the solutes was dried on the substrate at room temperature.
Example of Sample preparation 2
Fe-, Ni-, Cu- and H$_2$-phthalocyanines

Phthalocyanines were vacuum deposited onto the glass substrate coated with ITO.

Sample (76 x 27 x 1 mm)

Measuring point (4 x 4 mm)

Sample stage