

For Transmittance Measurements

Mount the substrate on the sample holder.

Open the blue front lid of the FTIR system, and gently slide the holder in the given slot in the middle.

Close the lid.

In the PC, select and login to the software

Copy the path of the folder in which data is to be saved. Go to options and paste the address in 'file'

Select Instrument-->Monitor

Ensure the maximum energy and current are coinciding. Stop the monitoring by clicking on the symbol.

Select scan.

In the window, check range (400-4000 full range) and no. of scans (16 recommended) and the units (%T)

Enter sample name

Acquire the spectra as follows:

For Background click on the red arrow at top right of the window

For sample click on ok

Check everything is in place before clicking scan again.

On acquiring spectra, it can be smoothed, and baseline determined from the menu.

Save final spectra as sp as well as ascii file.

When run is over, remove sample, replace holder in the box, and close the lid. Shut down the PC.