

Shutdown Procedure and Power Up for the Thermo Nicolet iN10 FT-IR Microscope

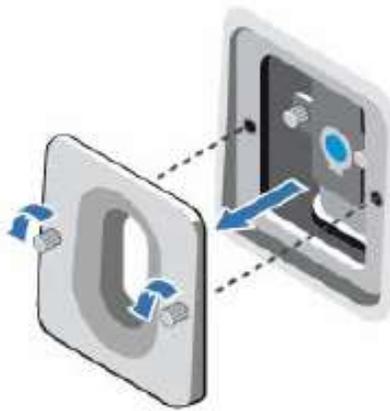
Turning off the system components:

We recommend that you keep your spectrometer on at all times unless the building is subject to power outages or you need to perform a service or maintenance procedure. Leaving the system on keeps it stable and gives you the most consistent results. If you must turn the spectrometer off, allow it to stabilize for at least 15 minutes (one hour for best results) before collecting spectra when it is restarted.

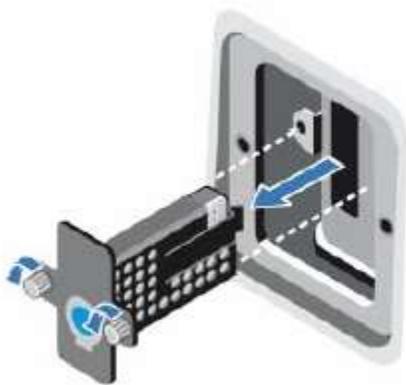
Step 1. Exit out of the Picta software

Step 2. If a purge option is available turn off the gas.

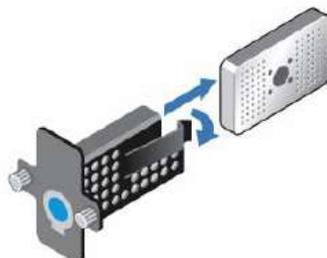
Step 3. If the instrument is going to be off for an extended period of time install new desiccant and a new humidity indicator button.



Loosen the thumbscrews on the cover of the iN10 desiccant compartment and then remove the cover.



Loosen the thumbscrews on the desiccant holder and then slide the holder out of the desiccant compartment.



Take the used desiccant canister out of the holder and replace it with a new canister. Reinsert the desiccant holder back in the desiccant compartment and tighten thumbscrews.



Remove the old humidity indicator, it is advised to use gloves or finger cots when replacing the humidity indicator so oil or moisture from skin does not contaminate the indicator.



Peel the backing off of the new indicator and then as shown above press the round blue indicator onto the adhesive on the holder. Place the new indicator and holder over the indicator opening and press gently to seal. Replace the desiccant compartment cover and tighten thumbscrews.

Step 4. Turn off the printer and then the computer

Step 5. Turn off the iN10 F-IR microscope by pressing the power switch (I/O) on the external power supply to O

Step 6. Disconnect the power supply for the AC outlet

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Follow these steps to turn on the system components:

Step 1. If the external power supply is not already connected connect it to the AC outlet.

Step 2. If a purge option is available turn on the gas and set pressure regulator and flowmeter to appropriate setting found in the instrument's user and/or site and Safety guide

Step 3. Check that desiccant button is Blue (good) on the left side of the iN10 near the rear of the instrument. The desiccant protects the beamsplitter and optical components by reducing the amount of water vapor inside the spectrometer.



Step 4. Turn on the spectrometer by pressing the power switch (I/O) on the external power supply to I

Step 5. Turn on the printer and then the computer.

Step 6. Start Picta Software