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MATTLER TGA/SDTA851e Management

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Student supervisor: Bill Ganus

Faculty Supervisor Responsibilities

1. Check that the water circulation system is functioning.
2. Check regularly to make sure that the nitrogen or argon purging rate is appropriate.
3. Order TGA sample cells and circulation liquids.
4. Supervise and train student supervisor for how to maintain and to operate the TGA system.
5. Provide semi-annual training to new users.
6. Advise Department Chair and Facilities Committee on the necessary maintenance and repair.

Student Supervisor Responsibilities

1. Take care of the water level in water circulator tank. If water level is low, one needs to fill water or cooling liquid.
2. Check the pressed gas cylinder to make sure that there is no problem with a continuous gas purging. If a gas cylinder is nearly empty, order and replace a new one.
3. Flux and clean the water circulation system at least once per year.
4. Notice faculty supervisor any malfunction or any potential malfunction of this system.

User Guidelines

This thermal analysis system is consisting of a very sensitive balance. It is important that the TGA is in a very stable condition. Any vibration or oscillation may cause the malfunctioning of this system and even damage. All users should obtain authority from the equipment manager for the operation of the TGA system. Their responsibilities are:

1. To check with the equipment manager if the equipment is ready for operation. If not, a reservation for a block of equipment time can be arranged.
2. To save personal experimental data in a personal storage device. All users are discouraged to save data in the TGA computer storage system. No one will be responsible for any data loss from the TGA computer storage system.
3. To sign the log-book and indicate how the system was working. (OK or there were some problems)
4. To remove your cells, samples, disks, notes and your personal stuffs out the working bench and equipment table after your TGA experiment of the day.
5. To leave the equipment unit and computer software **on**.
6. To lock the door if you happen to be the last one in the equipment room.

These guidelines may be modified for better services in the future.