

化工系高壓氣體吸附量測儀(BELSORP HP)使用申請單

申請使用時間：(month/date): From: _____ to: _____

實驗條件：樣品成份：_____ 樣品數量：_____

比表面積(BET analysis)

吸脫附曲線(Adsorption / desorption curve)

Degas Temp: _____ °C (100~400 °C)

Adsorption gas : N₂ H₂

1.願遵守精密儀器及常用設備管理辦法。 借用人：_____

2.儀器如有損壞，願意負責修復。 指導教授：_____

3.儀器負責老師簽名：_____ 簽名：_____

4.外系或外校申請者請化工系系主任簽名：_____

化工系高壓氣體吸附量測儀(BELSORP HP)使用核准單(No.93)

核准使用時間： 年 月 日 時 至 年 月 日 時

1.請閱讀精密儀器及常用設備管理辦法。 借用人：_____

2.使用前先在儀器保養維護記錄簿上登記。

3.分析氣體由系採購再由使用者按登記使用時間比例分擔。

4.樣品管 (sample holder) 使用損壞，由損壞者負責賠償。

5.使用後務必確實清潔並將儀器及其配件歸位。初次違規者，將停止個人使用權一個月；如再犯，將視情節加重處分，停權期間可能為一學期、一年，甚至永久停止使用。違規情節嚴重者，亦可能連帶影響該實驗室之使用權限，其它違規狀況依系上規定而訂之。

6.本系使用者需繳儀器維修基金：500元/天（自操），委測樣品1100元/天+280元/小時（委測/教學）。一學期年繳滿20,000元者，則該學年內不需再行繳交。關於儀器維修基金之繳交，本系使用者得於次一學年開始之兩月內繳清，未繳清前，不得再借用該儀器。

7.校內外系每天1,500元（超過一天加收500元/小時），校外研究單位每件3,000元（超過一天加收500元/小時），校外營利機構每件4,500元（超過一天加收600元/小時），以上費用另加收280元/小時（委測/教學）。

8.預約期間若超過24小時不使用，應通知技術員，以增加儀器使用效率並減免使用費。

[注意：樣品請於借用日前一晚先行乾燥，以減少脫氣(degassing)時間。]

*本儀器目前負責之Superuser為陳冠宇 (E2-619)

*本儀器目前負責之老師為胡哲嘉 (E2-610)

本人已詳閱並同意上述內容並願遵守精密儀器及常用設備管理辦法。

借用人簽名：_____

指導教授簽名：_____

儀器負責老師意見及簽名：_____

外系或外校申請者，請化工系主任簽名：_____

化工系高壓氣體吸附量測儀(BELSORP HP)使用申請單

Application form for high-pressure gas adsorption measuring system

Using of experiment: (Month/date): From: _____ to: _____

Sample material: _____ Number of samples: _____

Check the item needed:

Surface specific surface area (BET analysis)

Adsorption / desorption curve

Degas Temp: _____ °C (100~400 °C)

Adsorption gas: N₂ H₂

1. I will follow all the regulations and instructions of the instrument. User's signature: _____
2. I am willing to take the repairing responsibility if the instrument is damaged.
Advisor's Signature: _____
3. Comments from the professor-in-charge: _____ Signature: _____
4. Signature of the chairman of the Chemical Engineering Department : _____ (Required for applicants from departments/institutions other than Chemical Engineering)

化工系表面積及孔徑分析儀(BELSORP HP)使用核准單(No.93)

Permission Notice for high-pressure gas adsorption measuring system

Scheduled usage (Month/Date): _____

Scheduled usage time: _____

User name: _____

1. Please carefully read the instrument manuals and the regulations before the usage.
2. Be sure to take a record of the usage in the register before operating the instrument.
3. Be sure to thoroughly clean the equipment and return it and its accessories to their proper places after use. First-time offenders will have their individual usage privileges suspended for one month; repeat offenders will face more severe penalties depending on the circumstances, with suspensions ranging from one semester to one year, or even permanent suspension. Serious violations may also result in the revocation of the laboratory's usage privileges. Other violations will be handled in accordance with departmental regulations.
4. Rates for instrumentation usage:
 - (1) Ch.E., NTUST users: NT\$500 per day (self-operation) ; NT\$1100 per day + NT\$280 per hour (assisted testing / instructional use). Maximum charges for an academic year: 20,000 NT dollars. NO registration will be allowed if the charged fees of the previous year are not paid off within the first two months of the new academic year.
 - (2) Users from other NTUST departments: 1,500 NT dollars/day. (Over 500 NT dollars/ hr.) + NT\$280 per hour (assisted testing / instructional use).
 - (3) Users from other research institutions: 3,000 NT dollars/day. (Over 500 NT dollars/ hr.) + NT\$280 per hour (assisted testing / instructional use).
 - (4) Users from other institutions: 4,500 NT dollars/day. (Over 600 NT dollars/ hr.) + NT\$280 per hour (assisted testing / instructional use).
5. DO inform the technician within 24 hours of the scheduled time if you want to cancel the reservation. Otherwise you will still be charged.

[Notice : Please dry the sample to remove the water (>120 °C) before using date.]

*The current Superusers of this instrument is Kuan-Yu Chen (E2-619).

*The professor currently in charge of this instrument is Che-Chia Hu (E2-610).

I have read and agree to the above terms and am willing to comply with the regulations for the management of precision instruments and general equipment.

Borrower's Signature: _____

Advisor's Signature: _____

Comments and Signature of the Responsible Faculty Member: _____

For applicants from other departments or institutions, please obtain the signature of the Chair of the Department of Chemical Engineering: _____