

Tech Note 9508 Cryostream Cooler Probe Drying

Introduction

If the Cryostream Cooler Probe becomes damp due to condensation, it is not uncommon for the moisture to cause electrical problems. It is possible, however, to 'dry out' the probe to remove the condensation.

Probe Extraction

Grip the 10 pins by pushing down on them with your thumb



Unscrew the nut making sure the 10 Pin connector does not rotate

- 1) Unscrew the black nut marked 'Probe'. **DO NOT ROTATE THE BLACK TEN PIN CONNECTOR WHEN UNSCREWING THE BLACK NUT. ROTATION MAY CAUSE SERIOUS DAMAGE TO THE INTERNAL WIRING.**



- 2) Withdraw the probe very gently about 2cm. We advise you do not remove the probe completely as it is very delicate and may get damaged.
- 3) Remove the nylon tube that is inserted into the FLOW connector on the top of the coldhead. Connect the red dry air tube from the dry air supply to this connector and set the flow to less than 5 litres per minute. Turn the dry air supply on and leave it running for about half an hour. This should give the moisture enough time to evaporate.
- 4) Re-fit the probe carefully, to be sure not to twist the wiring on the probe and re-run the Cryostream at 45° with the nozzle pointing **DOWN**.

If you have any questions, please contact Oxford Cryosystems or your local Cryostream Cooler agent.