

Maintenance

Cleaning the Enclosure

The exterior of the instrument should be cleaned regularly with a dusting brush. If necessary, the casing can be cleaned with a moistened cloth (99% water + 1% mild detergent). Spirit or petroleum ether can be used to remove greasy dirt. Any other cleaning agents can attack the plastic and painted surfaces.

Under no circumstances should the cleaning fluid get into the instrument. Petroleum ether is flammable, and care should be taken in its use.

Bake Out Procedure

Under normal conditions, the TCD requires no routine maintenance. However, if the detector is exposed to chemicals which may condense or polymerize within the detector and adversely affect performance, the detector cell can be baked out at elevated temperatures (up to 300°C). Inert carrier gas flow (other than hydrogen, oxygen, or air) should be maintained during the reconditioning procedure. Filament temperature should also be increased to approximate the setpoint of the bake out temperature.

If a 24 hour bake out is not sufficient to remove the contamination, the unit must be returned to be factory for disassembly and cleaning.