

# What are the advantages of the Advanced High Temperature High Pressure Cell?

When ordering the High Temperature High Pressure Cell (HTHP Cell) as the advanced version P/N 05855, there are 3 window assemblies supplied. The HTHP Cell will be supplied with the two pressure tested standard flat ZnSe window assemblies attached to the cell for transmission and decomposition experiments (as standard for P/N 05850). The wedged pressure tested ZnSe window assembly is supplied in the carry case along with an appropriate baseplate with mirrors and attachment parts for the HTHP Cell when the specular reflectance mode of operation is required. These additional specular reflectance mode parts can be ordered as P/N 05860 if the standard P/N 05850 HTHP Cell is to be upgraded.

When the HTHP Cell is to be operated in the specular reflectance mode, the wedged cell window and the baseplate are attached in a specific way due to the beam direction in the spectrometer. Therefore, an upgrade kit P/N 05860 or the advanced version of the HTHP Cell P/N 05855 will only have the parts supplied for a specific spectrometer of a specific beam direction.

**Specac Ltd**

**River House, Cray Avenue, Orpington, Kent, BR54HE**