

Dewar for Studies from -180°C up to 350°C in Transmission and/or Reflection Mode



Our Dewar Transmission/Reflection Accessory is useful for examining solid samples at temperatures ranging from -196°C to 350°C in a controlled environment.

The cell is constructed of chemically resistant 316 stainless steel and features a K-type thermocouple for temperature measurement. A dewar is incorporated into this accessory for low temperature operation. For high temperature operation, low voltage heaters are provided for use in conjunction with an ATK controller.

This accessory comes configured for transmission measurements, with a mount for the specified spectrometer. It can also be reconfigured for near-normal (12°) specular reflection with our Variable Angle Reflection Accessory.

Applications:

- Transmission properties of optic pieces.
- Studies of optical coatings.

Features:

- Cold finger for coolant, e.g. liquid nitrogen or a dry ice and acetone mixture, for operation down to -196°C.
- Heaters for spectroscopic measurements up to 350°C.
- Accommodates transmission or external reflection samples 25mm in diameter and up to 35mm in length
- Uses one 25x2mm or 25x4mm window and one 32x3mm window.
- Windows mount with O-ring seals.
- K-type thermocouple. Low-voltage heaters.
- Two 1/4" 316 stainless steel VCO fittings.
- Compatible with all FT-IR spectrometers and some UV-VIS spectrometers.
- Can be use with Variable Angle Reflection Accessory for near-normal specular reflection measurements.

