



## TRANSMISSION/REFLECTION DEWAR

### APPLICATIONS

- ▶ Useful for examining solid samples by transmission and/or specular reflection spectroscopy at temperatures ranging from -196°C to 350°C.

### FEATURES

- ▶ Chemically inert 316 stainless steel interior.
- ▶ 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.
- ▶ Use with Harrick's Variable Angle Reflection Accessory for near-normal specular reflection measurements.



### INCLUDES

- ▶ Mounting hardware for the specified spectrometer for transmission measurements.
- ▶ Windows need to be ordered separately.

	Windows		
	25 x 2 mm	25 x 4 mm	32x3mm
CaF <sub>2</sub>	WFD-U25	WFD-U45	WFD-U36
BaF <sub>2</sub>	WHD-U25	WHD-U45	WHD-U36
NaCl	WLD-U25	WLD-U45	WLD-U36
ZnSe	WMD-U25	WMD-U45	WMD-U36
KBr	WPD-U25	WPD-U45	WPD-U36

### ORDERING INFORMATION

Transmission/Specular Reflection Dewar, 110V.....**CATALOG No.**  
 Transmission/Specular Reflection Dewar, 220/240V.....**DER-3-XXX**  
 .....**DER-4-XXX**

### OPTIONS AND REPLACEMENT PARTS

Insert for 13mm diameter pellet.....038-141-2  
 Temperature Controller, 110V input, 24V output. Includes USB adapter.....ATK-024-3  
 Temperature Controller, 220/240V input, 24V output (CE marked). Includes USB adapter.....ATK-024-4  
 Sample Heater Assembly, 24V.....DER-HTR  
 Sample Heater, 24V, 100W.....HTRS-24  
 O-Ring Set, Viton.....DER-ORV  
 O-Ring Set, Kalrez.....DER-ORK