



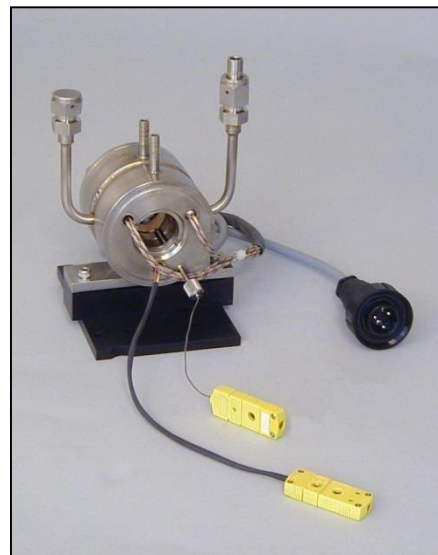
HIGH TEMPERATURE CELL

APPLICATIONS

- ▶ Permits spectroscopy studies of solid samples at temperatures ranging from ambient to in excess of 500°C.
- ▶ Excellent for transmission catalysis studies.

FEATURES

- ▶ Operable from ambient temperature to 500°C (under vacuum).
- ▶ Thermally-insulated transmission cell inhibits heat loss.
- ▶ Easy to disassemble for sample exchange and cleaning between transmission measurements.
- ▶ Fabricated from chemically-resistant 316 stainless steel.
- ▶ Accommodates transmission samples 25mm in diameter and up to 10mm in thickness.
- ▶ Optional inserts available to hold 13mm diameter pellets.
- ▶ Water-cooling eliminates the need for high temperature window seals.
- ▶ Two K-type thermocouples for independent monitoring of the sample and heating block temperatures.
- ▶ Two 1/4" 316 stainless steel VCO fittings.



INCLUDES

- ▶ High Temperature Cell.
- ▶ Two K-type thermocouples.
- ▶ Low-voltage heaters.
- ▶ Two 32x3mm KBr windows.
- ▶ Mating hardware for the specified spectrometer.

Windows	
CaF ₂	WFD-U36
BaF ₂	WHD-U36
NaCl	WLD-U36
ZnSe	WMD-U36
KBr	WPD-U36

ORDERING INFORMATION

High Temperature Transmission Cell, 24V.....

CATALOG NO.
HTC-3-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
Heater Assembly, 24V.....	HTC-HTRB
Heater, 24V, 100W (thermocouple).....	HTRS-24
Heater, 24V, 100W.....	HTRS-23
O-Ring Set, FKM.....	HTC-ORV
O-Ring Set, FFKM.....	HTC-ORK