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.
- 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.

ORDERING INFORMATION

High Temperature Transmission Cell, 24V .......................................................... 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) .......................................................... HTC-HTRB
Heater, 24V, 100W .......................................................................................................................... HTRS-24
O-Ring Set, Viton .......................................................................................................................... HTC-ORV
O-Ring Set, Kalrez .......................................................................................................................... HTC-ORK

Windows

<table>
<thead>
<tr>
<th>Windows</th>
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<tbody>
<tr>
<td>CaF2</td>
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