



## TEMPERATURE CONTROLLED GAS CELL

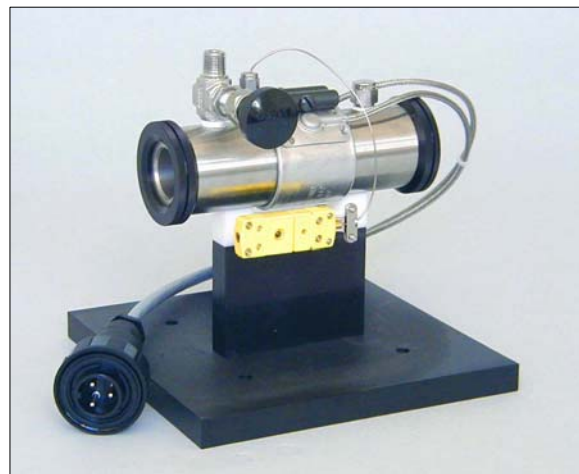
Gas cells are ideal for examining gases and gaseous mixtures for static or flow environments. The Temperature Controlled Gas Cell is excellent for both room temperature studies and heated measurements.

### APPLICATIONS

- ▶ Well-suited for spectroscopic studies of gases and vapors from room temperature to more than 200°C.
- ▶ Adaptable for evolved gas analysis (EGA) in combination with thermogravimetric analysis for TGA-EGA-FTIR

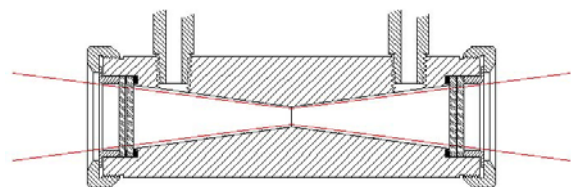
### FEATURES

- ▶ 10 cm pathlength.
- ▶ Heatable to 200°C with Viton O-rings and to 260°C with Kalrez o-rings. Higher temperatures achievable with metal o-rings.
- ▶ Beam conforming interior maximizes pathlength to volume ratio.
- ▶ Cell volume: 17 ml.
- ▶ 20-mm diameter clear entrance and exit apertures.
- ▶ Two ports allow both static and flow-through applications.



### INCLUDES

- ▶ Stainless steel cell body, Viton O-rings, and mounting hardware for the windows.
- ▶ Embedded thermocouple and low-voltage band heater.
- ▶ One port fitted with a valve and a second plugged port.
- ▶ Mating hardware for the specified spectrometer.



Cell Body Cross-Section Showing Beam Conforming Shape.

WINDOWS AND O-RINGS		
	25 x 2 mm	25 x 4 mm
Windows:		
CaF <sub>2</sub>	WFD-U25	WFD-U45
ZnS	WID-U25	WID-U45
NaCl	WLD-U25	WLD-U45
ZnSe	WMD-U25	WMD-U45
KBr	WPD-U25	WPD-U45
O-Rings		
Viton	ORV-020	ORV-020
Kalrez	ORK-020	ORK-020

### ORDERING INFORMATION

Temperature Controlled Gas Cell, 24V.....

**CATALOG No.**  
TGC-3-XXX

### OPTIONS AND REPLACEMENT PARTS

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.....

TGC-HTR

Heater, 24V.....

HTRS-22