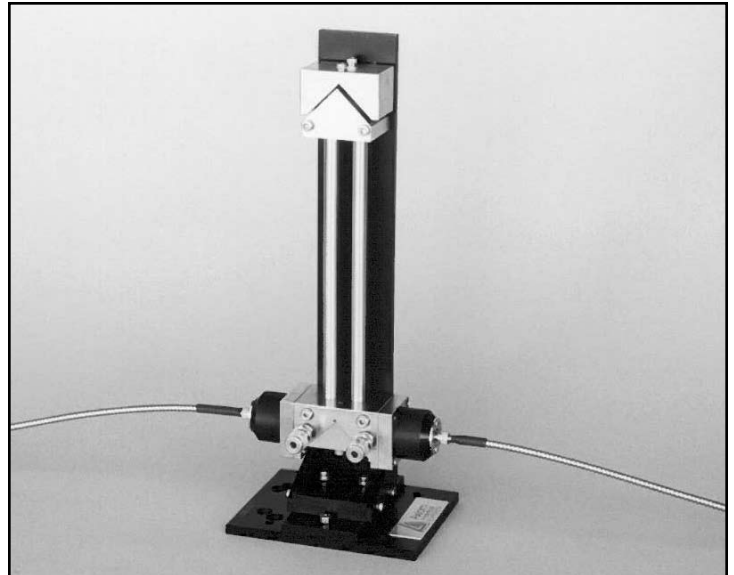


# FFT-200 Series

## Fiber-Optic Coupled, Low Volume Gas Cells



FFT-200 gas cells are ideally suited for operation with any fiber-optically coupled spectrometer. They employ a tubular, linear flow construction providing low volume, rapid sample exchange, and highly accurate overlap of the optical and gas volumes. The result is an absolutely fixed pathlength and highly stable calibrations.

Standard FFT-200 models employ gold coated reflecting optics and fused silica windows for optimum operation in the

near-IR spectral range. Other optical materials are also available to cover additional wavelength ranges or particularly corrosive gases. In addition, the cells can be provided with optional heating elements and insulating jackets for elevated temperature operation.

For more information, or to discuss your specific application, please do not hesitate to contact us at 1-800-goaxiom or visit us on the web at [www.goaxiom.com](http://www.goaxiom.com).

### Features

- Low Volume
- Fast response
- Negligible sample carryover
- Fixed, unambiguous pathlength
- Easy maintenance

Specifications			
	FFT-205	FFT-210	FFT-220
Pathlength (meters)	0.5	1.0	2.0
Cell Volume (ml)	25	50	100
Purge Volume (ml) <sup>1</sup>	30	60	120
Transmission (%)	30	15	6
Window Material	Fused Silica <sup>2</sup>		
Wetted Metals <sup>3</sup>	Gold plated brass, 316 stainless steel		
Seals <sup>3</sup>	Viton O-rings		
Max. Temperature <sup>3</sup>	200°C		
Max. Pressure	10 Bar		

Notes: 1. For 99 % sample exchange. 2. Other window materials are available. 3. Optional materials of construction and seals are available for use with corrosive samples or higher temperatures.