



FFT-200 Series Fiber-Optic Coupled Low Volume Gas Cells

FFT-200 gas cells are ideally suited for operation with any fiber-optic 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 path length 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 (949)757-9300 or visit us on the web at www.hellma-axiom.com.

FEATURES:

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



FFT-200 SPECIFICATIONS:

	FFT-205	FFT-210	FFT-220
Path length (meters):	0.5	1.0	2.0
Cell Volume (ml):	25	50	100
Purge Volume (ml) ¹ :	30	60	120
Transmission (%):	30	15	6
Window Material:	Fused silica ²		
Wetted Metals ³ :	Gold plated brass, 316 stainless steel		
Seals ³ :	Viton O-rings		
Gas Fittings:	1/8 NPT Female Ports		
Max. Temperature ³ :	200 °C		
Max. Pressure:	10 bar		

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.