

Atmos™ Gas Cell

The Concept

The Atmos™ series of fixed long pathlength gas cells represent the ultimate in sampling accessories for measuring the infrared spectra of gases and vapours. Designed for use with gases over a wide range of temperatures and pressures, they are the ideal choice for the analyst who demands superior performance characteristics, and high standard specifications.

Atmos™ gas cells are suitable for operation in all modern FT-IR spectrometers. Cells are available as standard with a metal body for operation at ambient temperatures and pressures ranging from vacuum to 125psi.



Why Atmos™

- Fixed Pathlength Gas Cell – 2.5m, 5m, 10m & 20m versions
- CaF₂ & ZnSe Window options
- Option for Kalrez or Viton seals
- Upper pressure (Metal Body) – 125psi
- Vacuum Capability – 10⁻⁴ Torr
- Future option for heating to 200C



Key Applications:

- Emissions Testing
- Green House Gases
- Volatiles/VOC's
- Toxic Combustion Gases

Atmos™ Gas Cell ordering information

GS24602	Atmos™ A2.5 Gas Cell (2.5m Pathlength)
GS24605	Atmos™ A5 Gas Cell (5m Pathlength)
GS24610	Atmos™ A10 Gas Cell (10m Pathlength)
GS24620	Atmos™ A20 Gas Cell (20m Pathlength)

Model	A2.5	A5	A10	A20
Pathlength (m)	2.5	5.0	10	20
Base pathlength (mm)	104	139	250	455
Number of passes	24	36	40	44
Internal diameter (mm)	50	68	96	96
Volume (L)	0.27	0.63	2.12	3.68

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