

Transmission

Storm™ 10 - Short Pathlength Gas Cell

The Storm™ 10 series gas cells are the ideal choice for measuring the infrared spectra of concentrated gases, gas mixtures and vapours (>1% levels) at ambient temperatures and pressures. Cells are suitable for operation in all modern FT-IR spectrometers using a cell mount.

The 10cm fixed pathlength design is user demountable allowing easy cleaning and maintenance.

Applications flexibility and chemicals compatibility is ensured through a range of body materials (Pyrex or Stainless Steel) and a wide choice of window materials.

Gasses can be analysed in static or flow modes, and stopcock valves provide for evacuation, sample introduction and release.



Ordering Information

- GS05000** 10cm Pyrex Gas Cell Body
- GS05800** 10cm Stainless Steel Gas Cell Body
- GS05030** Cell Mount for 10cm Gas Cells

*For a complete Storm™ 10 Gas Cell system, please order gas cell body, cell mount and a pair of windows of your choice.*

Spares and Consumables

- GS05040** Seal Kit for Pyrex Gas Cell
- GS05803** Vacuum Valve for Stainless Steel Gas Cell
- GS05804** Seal Kit for Stainless Steel Gas Cell

Window Options

- GS05020** Pair of NaCl Windows
- GS05021** Pair of KBr Windows
- GS05022** Pair of CaF<sub>2</sub> Windows
- GS05023** Pair of BaF<sub>2</sub> Windows
- GS05096** Pair of ZnSe Windows

Product Highlights

- 10cm fixed pathlength single pass design
- Demountable design for ease of maintenance
- Choice of cell body materials
- Choice of window materials
- Twin taps for evacuation, static or flow-through operation

Applications

- Analysis of concentrated gases & vapours
- Residue solvent vapour analysis
- Liquid head space analysis

Specifications

Pathlength	10cm
Volume	132cm <sup>3</sup> (Pyrex) 114cm <sup>3</sup> (Stainless Steel)
Pressure Range	Vacuum to ambient
Temperature Range	Ambient
Body Material	Pyrex or Stainless Steel
Window Seals	Neoprene
Clear Aperture	38mm
Windows	Client to specify
Mount	Standard 3" x 2"

Illustrations, descriptions and specifications in this datasheet were correct at the time of going to press. However, Specac's policy is one of continuous product development and we reserve the right to change descriptions and specifications at any time.

For the latest details please contact your local Specac office or representative.