

# Variable Pathlength Liquid Cell

For transmission analysis of liquids with adjustment of sample pathlength in situ.



The Variable Pathlength Cell allows for a range of pathlengths to be studied in one cell.

Rotation of the main body alters the pathlength of the cell over a range of 0 mm to 6 mm. The windows do not rotate in relation to the body movement and hence maintain parallelism throughout the pathlength range.

## Features

- Continuous adjustment of sample pathlength
- Micrometer and vernier scales for accurate pathlength setting and readability
- Standard slide mounting
- Non-rotating windows
- Pathlength variation: 0.04 - 6 mm
- Scale division: 5 µm
- Volume at maximum pathlength: 4.5 ml

## Applications

- Liquid analysis without dilution
- Determination of absorption coefficient

## Ordering Information

- GS07500** Variable Pathlength Cell with NaCl nonrotating windows
- GS07501** As 07500, but KBr windows
- GS07502** As 07500, but CaF2 windows
- GS07503** As 07500, but BaF2 windows
- GS07509** As 07500, but Znse windows

### Replacement Windows for Variable Pathlength Cell

- GS07020** Set of NaCl windows
- GS07021** Set of KBr windows
- GS07022** Set of CaF2 windows
- GS07023** Set of BaF2 windows
- GS07024** Set of Csl windows
- GS07025** Set of CsBr windows
- GS07026** Set of KRS-5 windows
- GS07027** Set of Fused Silica (IR) windows
- GS07028** Set of AgBr windows
- GS07095** Set of Polyethylene windows
- GS07096** Set of ZnSe windows
- GS07097** Set of Si windows

### Variable Pathlength Cell Spares and Consumables

- GS01110** Luer syringe (2 ml)
- GS07130** Neoprene gaskets for V.P. Cell (10)
- GS07135** Luer plug and reservoir cap for V. P. Cell
- GS07140** Teflon gaskets (0.1 mm) for V. P. Cell (10)
- GS07150** Key for Variable Pathlength

• Illustrations, descriptions and specifications in this data sheet 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.

**SPECAC LTD.,**  
 River House, 97 Cray Ave, St. Mary Cray, Orpington,  
 Kent, BR5 4HE UK  
 T : +44 (0)1689 873134 F : +44 (0)1689 878527  
 E : sales@specac.co.uk Registered in England No. 1008689

**SPECAC INC.,**  
 50 Sharpe Drive, Cranston, RI 02920 USA  
 T : Toll Free +1 800 447 2558  
 E : sales@specac.co.uk W : www.specac.com  
 Specac is part of Smiths Group plc