

Short Path Gas Cells – For Samples with Higher Vapor Phase Concentration



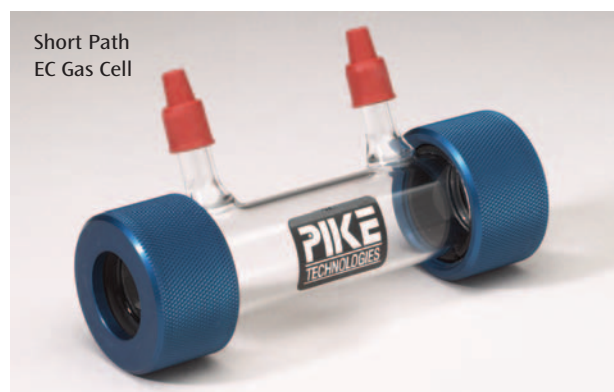
FEATURES OF THE SHORT PATH GAS CELLS

- Gas cells for measuring higher vapor phase concentration
- High throughput and economy versions
- 100 mm and 50 mm pathlength versions
- Fits all FTIR spectrometers

PIKE Technologies offers several choices for analysis of gas samples with component concentrations generally above 1% by weight. Our Short-Path HT Gas Cells provide high throughput by virtue of their greater inside diameter providing more energy at the FTIR detector. The Short Path HT Gas Cells also include glass stopcocks for flow input of the gas sample and sealing.

The PIKE Technologies Short-Path EC Gas Cells are recommended for use with occasional gas sampling and offer an economical choice with standard septum-styled sealing of the vapor phase sample.

Both our Short Path HT and EC Gas Cells are available in 50 mm and 100 mm versions. The complete gas cell requires your selection of the appropriate IR transparent windows. Both HT and EC Gas Cells are slide mount accessories, compatible with all FTIR spectrometers.



ORDERING INFORMATION

Short-Path Gas Cell

PART NUMBER	DESCRIPTION
162-2200	Short-Path HT Gas Cell, 100 mm pathlength
162-2250	Short-Path HT Gas Cell, 50 mm pathlength
162-2100	Short-Path EC Gas Cell, 100 mm pathlength
162-2150	Short-Path EC Gas Cell, 50 mm pathlength

Notes: The Short-Path Gas Cells include the glass body, o-rings and cell holder. The HT Gas Cells require selection of 38 mm x 6 mm windows. The EC Gas Cells require selection of 25 mm x 4 mm windows.

Short-Path Gas Cell Windows (must select minimum of 2)

DESCRIPTION	PART NUMBER	
	38 X 6 MM	25 X 4 MM
BaF ₂	160-1322	160-1217
CaF ₂	160-1342	160-1211
Ge	160-1323	160-1138
KBr	160-1320	160-1133
SiO ₂	160-1355	160-5089
Si	160-1324	160-1116
ZnSe	160-1329	160-1114

Notes: For window compatibility please consult the Materials Properties information in the Transmission Sampling Techniques Application Note.

Short-Path Gas Cell Replacement Parts

DESCRIPTION	PART NUMBER	
	HT GAS CELL	EC GAS CELL
Viton O-Rings (2 each)	162-2209	162-2109
Cell Window Cap	162-2202	162-2102
Gas Cell Holder	162-2205	162-2105
Glass Body for 100 mm Cell	162-2201	162-2101
Glass Body for 50 mm Cell	162-2255	162-2155
Septa (12 each)	NA	162-2104

Notes: For options not shown here, please contact PIKE Technologies.