

Short-Path Gas Cells

AT A GLANCE

- ▶ High throughput and economy versions
- ▶ 100-mm and 50-mm pathlengths
- ▶ Fits all FTIR spectrometers

For gas concentrations generally above 1% by weight, short path gas cells offer a suitable pathlength for mid-IR analysis.

Our Short-Path HT Gas Cells provide high throughput by virtue of their greater inside diameter providing more energy at the FTIR detector. The HT Gas Cell models 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. HT and EC Gas Cells are slide mount accessories, compatible with most FTIR spectrometers.



100-mm Short-Path HT Gas Cell.



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

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

38 x 6 mm	25 x 4 mm	Description
160-1322	160-1217	BaF ₂
160-1342	160-1211	CaF ₂
160-1320	160-1133	KBr
160-1321	160-1124	NaCl
160-1329	160-1114	ZnSe

Notes: For window compatibility please consult the Materials Properties table on page 152 of this catalog. Find additional window selections starting on page 138.

Replacement Parts

HT Cell	EC Cell	Description
162-2209	162-2109	Viton O-Rings (2 ea.)
162-2202	162-2102	Cell Window Cap
162-2205	162-2105	Gas Cell Holder
162-2201	162-2101	Glass Body for 100-mm Cell
162-2255	162-2155	Glass Body for 50-mm Cell
162-2107	162-2106	Septum Caps (12 ea.)