

SmartSeal Liquid Transmission Cells – For Precision, Fixed Pathlength Liquid Sampling



The PIKE Technologies SmartSeal Liquid Cells are ideal for quantitative analysis of liquid samples, especially where precise, reproducible pathlength is required. Using a proprietary sealing technique, these are designed to be leak-proof for long-lasting sampling and cost efficiency. The cells are fully RoHS compliant.

Each cell is mounted on a 2" x 3" slide mount card compatible with all FTIR spectrometers and includes Luer-Lok™ fittings for easy syringe filling of the sample. The clear aperture of the assembled cell is 13 mm. SmartSeal Cells are available in a wide variety of window materials and sampling pathlengths.

FEATURES

- RoHS compliant
- Permanently mounted cell with fixed pathlength to provide maximum reproducibility of sample absorbance
- Flexible window selection for optimizing spectral range and sample compatibility
- Full range of cell pathlengths for optimized quantitative measurements
- Compatible with all FTIR spectrometers



ORDERING INFORMATION

SMARTSEAL LIQUID CELLS – WINDOW OPTIONS

Path (mm)	0.015	0.025	0.05	0.10	0.15	0.20	0.50	1.0	5.0	10.0
Volume (mL)	0.005	0.009	0.018	0.036	0.054	0.072	0.18	0.36	1.80	3.60
BaF ₂	165-4000	165-4001	165-4002	165-4003	165-4004	165-4005	165-4006	165-4007	165-4009	165-4010
CaF ₂	165-5000	165-5001	165-5002	165-5003	165-5004	165-5005	165-5006	165-5007	165-5009	165-5010
CsI	165-9000	165-9001	165-9002	165-9003	165-9004	165-9005	165-9006	165-9007	165-9009	165-9010
KBr	165-1000	165-1001	165-1002	165-1003	165-1004	165-1005	165-1006	165-1007	165-1009	165-1010
KRS-5	165-8000	165-8001	165-8002	165-8003	165-8004	165-8005	165-8006	165-8007	165-8009	165-8010
NaCl	165-2000	165-2001	165-2002	165-2003	165-2004	165-2005	165-2006	165-2007	165-2009	165-2010
SiO ₂	165-6000	165-6001	165-6002	165-6003	165-6004	165-6005	165-6006	165-6007	165-6009	165-6010
ZnSe	165-3000	165-3001	165-3002	165-3003	165-3004	165-3005	165-3006	165-3007	165-3009	165-3010
ZnS	165-7000	165-7001	165-7002	165-7003	165-7004	165-7005	165-7006	165-7007	165-7009	165-7010

Notes: Please select 2 syringes (below) for filling the SmartSeal Cell. All SmartSeal Cells include Teflon® stoppers. For more pathlength options please contact PIKE Technologies.

OPTIONS AND REPLACEMENT PARTS

PART NUMBER	DESCRIPTION
161-0520	Glass Syringe, 1 mL
161-0521	Glass Syringe, 2 mL
161-0522	Glass Syringe, 5 mL
162-1300	Teflon Stoppers (12 ea.)

Note: For other options please contact PIKE Technologies.