

ATR Crystals

Material	Dimensions (mm)	Angle	Part No.	Price
ATR crystals, trapezoidal shape				
KRS-5	50 x 20 x 2	45°	645G4	on request
KRS-5	50 x 20 x 2	60°	660G4	on request
KRS-5	50 x 20 x 1	45°	645G3	on request
KRS-5	50 x 20 x 1	60°	660G3	on request
KRS-5	50 x 10 x 2	45°	645G9	on request
KRS-5	50 x 10 x 2	60°	660G9	on request
KRS-5	50 x 10 x 3	45°	645G10	on request
KRS-5	50 x 10 x 3	60°	660G10	on request
KRS-5	50 x 20 x 3	45°	645G13	on request
KRS-5	50 x 20 x 3	60°	660G13	on request
ZnSe	50 x 20 x 2	45°	645K4	on request
ZnSe	50 x 20 x 2	60°	660K4	on request
ZnSe	50 x 20 x 1	45°	645K3	on request
ZnSe	50 x 20 x 1	60°	660K3	on request
ZnSe	50 x 10 x 2	45°	645K9	on request
ZnSe	50 x 10 x 2	60°	660K9	on request
ZnSe	50 x 10 x 3	45°	645K10	on request
ZnSe	50 x 10 x 3	60°	660K10	on request
ZnSe	50 x 20 x 3	45°	645K13	on request
ZnSe	50 x 20 x 3	60°	660K13	on request
Ge	50 x 20 x 2	30°	630Q4	on request
Ge	50 x 20 x 2	45°	645Q4	on request
Ge	50 x 20 x 1	30°	630Q3	on request
Ge	50 x 20 x 1	45°	645Q3	on request
Ge	50 x 10 x 2	30°	630Q9	on request
Ge	50 x 10 x 2	45°	645Q9	on request
Ge	50 x 10 x 3	30°	630Q10	on request
Ge	50 x 10 x 3	45°	645Q10	on request
Ge	50 x 20 x 3	30°	630Q13	on request
Ge	50 x 20 x 3	45°	645Q13	on request
ATR crystals, parallelogram shape				
KRS-5	25 x 10 x 3	45°	545G4	on request
KRS-5	25 x 10 x 3	60°	560G4	on request
KRS-5	25 x 20 x 3	45°	545G7	on request
KRS-5	25 x 20 x 3	60°	560G7	on request
KRS-5	50 x 10 x 3	45°	545G10	on request
KRS-5	50 x 10 x 3	60°	560G10	on request
KRS-5	50 x 10 x 2	45°	545G9	on request
KRS-5	50 x 10 x 2	60°	560G9	on request
KRS-5	50 x 20 x 3	45°	545G13	on request
KRS-5	50 x 20 x 3	60°	560G13	on request
KRS-5	50 x 20 x 2	45°	545G12	on request

ATR Crystals

Material	Dimensions (mm)	Angle	Part No.	Price
KRS-5	50 x 20 x 2	60°	560G12	on request
KRS-5	60 x 6 x 6	60°	545G17	on request
ZnSe	25 x 10 x 3	45°	545K4	on request
ZnSe	25 x 10 x 3	60°	560K4	on request
ZnSe	25 x 20 x 3	45°	545K7	on request
ZnSe	25 x 20 x 3	60°	560K7	on request
ZnSe	50 x 10 x 3	45°	545K10	on request
ZnSe	50 x 10 x 3	60°	560K10	on request
ZnSe	50 x 10 x 2	45°	545K9	on request
ZnSe	50 x 10 x 2	60°	560K9	on request
ZnSe	50 x 20 x 3	45°	545K13	on request
ZnSe	50 x 20 x 3	60°	560K13	on request
ZnSe	50 x 20 x 2	45°	545K12	on request
ZnSe	50 x 20 x 2	60°	560K12	on request
ZnSe	60 x 6 x 6	45°	545K17	on request
Ge	25 x 10 x 3	45°	545Q4	on request
Ge	25 x 10 x 3	60°	560Q4	on request
Ge	25 x 20 x 3	45°	545Q7	on request
Ge	25 x 20 x 3	60°	560Q7	on request
Ge	50 x 10 x 3	45°	545Q10	on request
Ge	50 x 10 x 3	60°	560Q10	on request
Ge	50 x 10 x 2	45°	545Q9	on request
Ge	50 x 10 x 2	60°	560Q9	on request
Ge	50 x 20 x 3	45°	545Q13	on request
Ge	50 x 20 x 3	60°	560Q13	on request
Ge	50 x 20 x 2	45°	545Q12	on request
Ge	50 x 20 x 2	60°	560Q12	on request
Ge	60 x 6 x 6	60°	545Q17	on request

ATR Crystals Accessories

Part No.	Description	Price
Calibration and accuracy test parts		
BS186-0449 *	Polystyrene test film, premounted, 0,05 mm	on request
BS186-0450 **	Neutral density filter, premounted, 0,5 AU	on request

* Polystyrene is generally accepted for performing the following tests on infrared spectrophotometers: performance, resolution, frequency, accuracy and stray light.

** Used for performing absorbance accuracy tests on spectrophotometers.

Demountable Cell Holders

Part No.	Application	Consists of / Material / Description	Aperture (mm)	Window Size (mm)	Thickness (mm)	Price
Demountable cell holders						
6500C	FTIR	Stainless steel holder, rear neoprene gasket, 2 PTFE plugs, pack of assorted PTFE spacers	14 (round)	38 x 19 x 4	-	on request
6500	dispersive	Stainless steel holder, rear neoprene gasket, 2 PTFE plugs, pack of assorted PTFE spacers	10 x 22	38 x 19 x 4	-	on request
6500SD	dispersive	Stainless steel holder, 2 sealing gaskets, PTFE O-rings, 2 PTFE plugs, compensating ring, needle plate, pack of assorted spacers	10 x 22	32 x 3	-	on request
6500S	FTIR	Stainless steel holder, 2 sealing gaskets, PTFE O-rings, 2 PTFE plugs, compensating ring, needle plate, pack of assorted spacers	14 (round)	32 x 3	-	on request
Spacers for type 6500 and 6500C demountable cell holders - pack of 12						
5209	dispersive	PTFE	-	-	0,015	on request
5209C	FTIR	PTFE	-	-	0,015	on request
5210	dispersive	PTFE	-	-	0,025	on request
5210C	FTIR	PTFE	-	-	0,025	on request
5211	dispersive	PTFE	-	-	0,050	on request
5211C	FTIR	PTFE	-	-	0,050	on request
5212	dispersive	PTFE	-	-	0,100	on request
5212C	FTIR	PTFE	-	-	0,100	on request
5213	dispersive	PTFE	-	-	0,200	on request
5213C	FTIR	PTFE	-	-	2,000	on request
5214	dispersive	PTFE	-	-	0,500	on request
5214C	FTIR	PTFE	-	-	0,500	on request
5215	dispersive	PTFE	-	-	1,000	on request
5215C	FTIR	PTFE	-	-	1,000	on request
5216	dispersive	PTFE	-	-	assorted	on request
5216C	FTIR	PTFE	-	-	assorted	on request
5211L	dispersive	Lead	-	-	0,050	on request
5211CL	FTIR	Lead	-	-	0,050	on request
5212L	dispersive	Lead	-	-	0,100	on request
5212CL	FTIR	Lead	-	-	0,100	on request
5213L	dispersive	Lead	-	-	0,200	on request
5213CL	FTIR	Lead	-	-	2,000	on request
5214L	dispersive	Lead	-	-	0,500	on request
5214CL	FTIR	Lead	-	-	0,500	on request
5215L	dispersive	Lead	-	-	1,000	on request
5215CL	FTIR	Lead	-	-	1,000	on request
5216L	dispersive	Lead	-	-	assorted	on request
5216CL	FTIR	Lead	-	-	assorted	on request
5209CO	dispersive	Copper	-	-	0,015	on request
5209COC	FTIR	Copper	-	-	0,015	on request
5210CO	dispersive	Copper	-	-	0,025	on request
5210COC	FTIR	Copper	-	-	0,025	on request

Demountable Cell Holders

Part No.	Application	Consists of / Material / Description	Aperture (mm)	Window Size (mm)	Thickness (mm)	Price
Spacers for type 6500SD and 6500S demountable cell holders - pack of 12						
5209S	dispersive and FTIR	PTFE	-	-	0,015	on request
5210S	dispersive and FTIR	PTFE	-	-	0,025	on request
5211S	dispersive and FTIR	PTFE	-	-	0,050	on request
5212S	dispersive and FTIR	PTFE	-	-	0,100	on request
5213S	dispersive and FTIR	PTFE	-	-	0,200	on request
5214S	dispersive and FTIR	PTFE	-	-	0,500	on request
5215S	dispersive and FTIR	PTFE	-	-	1,000	on request
5216S	dispersive and FTIR	PTFE	-	-	assorted	on request
5211SL	dispersive and FTIR	Lead	-	-	0,050	on request
5212SI	dispersive and FTIR	Lead	-	-	0,100	on request
5213SL	dispersive and FTIR	Lead	-	-	0,200	on request
5214SL	dispersive and FTIR	Lead	-	-	0,500	on request
5215SL	dispersive and FTIR	Lead	-	-	1,000	on request
5216SL	dispersive and FTIR	Lead	-	-	assorted	on request
5209SC	dispersive and FTIR	Copper	-	-	0,015	on request
5210SC	dispersive and FTIR	Copper	-	-	0,025	on request
Replacement parts for type 6500 and 6500C demountable cell holders						
5233	dispersive	Neoprene gasket (pack of 12)	-	-	-	on request
5233C	FTIR	Neoprene gasket (pack of 12)	-	-	-	on request
5234CL	FTIR	Lead gasket (pack of 12)	-	-	-	on request
5234L	dispersive	Lead gasket (pack of 12)	-	-	-	on request
5234T	dispersive and FTIR	PTFE gasket (pack of 12)	-	-	-	on request
5235	dispersive and FTIR	PTFE plug (pack of 12)	-	-	-	on request
LP999-41	dispersive and FTIR	Machine screw (pack of 4)	-	-	-	on request
Replacement parts for type 6500SD and 6500S demountable cell holders						
5235	dispersive and FTIR	PTFE plug (pack of 12)	-	-	-	on request
6503	6500SD dispersive	PTFE gasket (pack of 6)	-	-	-	on request
6504	6500S FTIR	PTFE gasket (pack of 6)	-	-	-	on request
6505	6500SD dispersive	Needle plate	-	-	-	on request
6506	6500S FTIR	Needle plate	-	-	-	on request
6507	dispersive and FTIR	O-ring (pack of 6)	-	-	-	on request

Demountable cell holders are ideal for analyzing liquids, mulls and capillary films.

They are filled through Luer-Lock ports. Since the used windows are not amalgamated together, the cell can easily be converted to accommodate many sample types.

When analyzing mulls or capillary films, the cell is assembled with either one drilled and one undrilled window or two undrilled windows.

When analyzing liquids, one undrilled window, a PTFE spacer and a drilled window are used to create a cell with a specific pathlength.

A PTFE gasket helps to prevent leakage.

Windows are not included with the cell holders.

For type 6500 and 6500C demountable cell holders, select the 38 x 19 x 4 mm windows from table "IR Windows" or a pre-assembled amalgamated cell from the following table.

For type 6500SD and 6500D demountable cell holders, select the 32 x 3 mm windows from table "IR Windows" or a pre-assembled amalgamated cell from the following table.

Cells for Demountable Holders

Material	Pathlength (mm)	Application	Part No.	Price
Pre-assembled amalgamated windows (38 x 19 x 4 mm) for use with demountable cell holders type 6500 and 6500C				
NaCl	0,015	dispersive	5097	on request
NaCl	0,025	dispersive	5098	on request
NaCl	0,050	dispersive	5099	on request
NaCl	0,100	dispersive	5100	on request
NaCl	0,200	dispersive	5101	on request
NaCl	0,500	dispersive	5102	on request
NaCl	1,000	dispersive	5103	on request
NaCl	0,015	FTIR	5097C	on request
NaCl	0,025	FTIR	5098C	on request
NaCl	0,050	FTIR	5099C	on request
NaCl	0,100	FTIR	5100C	on request
NaCl	0,200	FTIR	5101C	on request
NaCl	0,500	FTIR	5102C	on request
NaCl	1,000	FTIR	5103C	on request
KBr	0,015	dispersive	5104	on request
KBr	0,025	dispersive	5105	on request
KBr	0,050	dispersive	5106	on request
KBr	0,100	dispersive	5107	on request
KBr	0,200	dispersive	5108	on request
KBr	0,500	dispersive	5109	on request
KBr	1,000	dispersive	5110	on request
KBr	0,015	FTIR	5104C	on request
KBr	0,025	FTIR	5105C	on request
KBr	0,050	FTIR	5106C	on request
KBr	0,100	FTIR	5107C	on request
KBr	0,200	FTIR	5108C	on request
KBr	0,500	FTIR	5109C	on request
KBr	1,000	FTIR	5110C	on request
CaF2	0,015	dispersive	5111	on request
CaF2	0,025	dispersive	5112	on request
CaF2	0,050	dispersive	5113	on request
CaF2	0,100	dispersive	5114	on request
CaF2	0,200	dispersive	5115	on request
CaF2	0,500	dispersive	5116	on request
CaF2	1,000	dispersive	5117	on request
CaF2	0,015	FTIR	5111C	on request
CaF2	0,025	FTIR	5112C	on request
CaF2	0,050	FTIR	5113C	on request
CaF2	0,100	FTIR	5114C	on request
CaF2	0,200	FTIR	5115C	on request
CaF2	0,500	FTIR	5116C	on request
CaF2	1,000	FTIR	5117C	on request

Cells for Demountable Holders

Material	Pathlength (mm)	Application	Part No.	Price
BaF2	0,015	dispersive	5118	on request
BaF2	0,025	dispersive	5119	on request
BaF2	0,050	dispersive	5120	on request
BaF2	0,100	dispersive	5121	on request
BaF2	0,200	dispersive	5122	on request
BaF2	0,500	dispersive	5123	on request
BaF2	1,000	dispersive	5124	on request
BaF2	0,015	FTIR	5118C	on request
BaF2	0,025	FTIR	5119C	on request
BaF2	0,050	FTIR	5120C	on request
BaF2	0,100	FTIR	5121C	on request
BaF2	0,200	FTIR	5122C	on request
BaF2	0,500	FTIR	5123C	on request
BaF2	1,000	FTIR	5124C	on request
KRS-5	0,015	dispersive	5139	on request
KRS-5	0,025	dispersive	5140	on request
KRS-5	0,050	dispersive	5141	on request
KRS-5	0,100	dispersive	5142	on request
KRS-5	0,200	dispersive	5143	on request
KRS-5	0,500	dispersive	5144	on request
KRS-5	1,000	dispersive	5145	on request
KRS-5	0,015	FTIR	5139C	on request
KRS-5	0,025	FTIR	5140C	on request
KRS-5	0,050	FTIR	5141C	on request
KRS-5	0,100	FTIR	5142C	on request
KRS-5	0,200	FTIR	5143C	on request
KRS-5	0,500	FTIR	5144C	on request
KRS-5	1,000	FTIR	5145C	on request
ZnSe	0,015	dispersive	7360	on request
ZnSe	0,025	dispersive	7361	on request
ZnSe	0,050	dispersive	7362	on request
ZnSe	0,100	dispersive	7363	on request
ZnSe	0,200	dispersive	7364	on request
ZnSe	0,500	dispersive	7365	on request
ZnSe	1,000	dispersive	7366	on request
ZnSe	0,015	FTIR	7360C	on request
ZnSe	0,025	FTIR	7361C	on request
ZnSe	0,050	FTIR	7362C	on request
ZnSe	0,100	FTIR	7363C	on request
ZnSe	0,200	FTIR	7364C	on request
ZnSe	0,500	FTIR	7365C	on request
ZnSe	1,000	FTIR	7366C	on request

Cells for Demountable Holders

Material	Pathlength (mm)	Application	Part No.	Price
Pre-assembled amalgamated windows (32 x 3 mm) for use with demountable cell holders type 6500SD and 6500S				
NaCl	0,015	dispersive	5097SD	on request
NaCl	0,025	dispersive	5098SD	on request
NaCl	0,050	dispersive	5099SD	on request
NaCl	0,100	dispersive	5100SD	on request
NaCl	0,200	dispersive	5101SD	on request
NaCl	0,500	dispersive	5102SD	on request
NaCl	1,000	dispersive	5103SD	on request
NaCl	0,015	FTIR	5097S	on request
NaCl	0,025	FTIR	5098S	on request
NaCl	0,050	FTIR	5099S	on request
NaCl	0,100	FTIR	5100S	on request
NaCl	0,200	FTIR	5101S	on request
NaCl	0,500	FTIR	5102S	on request
NaCl	1,000	FTIR	5103S	on request
KBr	0,015	dispersive	5104SD	on request
KBr	0,025	dispersive	5105SD	on request
KBr	0,050	dispersive	5106SD	on request
KBr	0,100	dispersive	5107SD	on request
KBr	0,200	dispersive	5108SD	on request
KBr	0,500	dispersive	5109SD	on request
KBr	1,000	dispersive	5110SD	on request
KBr	0,015	FTIR	5104S	on request
KBr	0,025	FTIR	5105S	on request
KBr	0,050	FTIR	5106S	on request
KBr	0,100	FTIR	5107S	on request
KBr	0,200	FTIR	5108S	on request
KBr	0,500	FTIR	5109S	on request
KBr	1,000	FTIR	5110S	on request
CaF2	0,015	dispersive	5111SD	on request
CaF2	0,025	dispersive	5112SD	on request
CaF2	0,050	dispersive	5113SD	on request
CaF2	0,100	dispersive	5114SD	on request
CaF2	0,200	dispersive	5115SD	on request
CaF2	0,500	dispersive	5116SD	on request
CaF2	1,000	dispersive	5117SD	on request
CaF2	0,015	FTIR	5111S	on request
CaF2	0,025	FTIR	5112S	on request
CaF2	0,050	FTIR	5113S	on request
CaF2	0,100	FTIR	5114S	on request
CaF2	0,200	FTIR	5115S	on request
CaF2	0,500	FTIR	5116S	on request
CaF2	1,000	FTIR	5117S	on request

Cells for Demountable Holders

Material	Pathlength (mm)	Application	Part No.	Price
BaF2	0,015	dispersive	5118SD	on request
BaF2	0,025	dispersive	5119SD	on request
BaF2	0,050	dispersive	5120SD	on request
BaF2	0,100	dispersive	5121SD	on request
BaF2	0,200	dispersive	5122SD	on request
BaF2	0,500	dispersive	5123SD	on request
BaF2	1,000	dispersive	5124SD	on request
BaF2	0,015	FTIR	5118S	on request
BaF2	0,025	FTIR	5119S	on request
BaF2	0,050	FTIR	5120S	on request
BaF2	0,100	FTIR	5121S	on request
BaF2	0,200	FTIR	5122S	on request
BaF2	0,500	FTIR	5123S	on request
BaF2	1,000	FTIR	5124S	on request
KRS-5	0,015	dispersive	5139SD	on request
KRS-5	0,025	dispersive	5140SD	on request
KRS-5	0,050	dispersive	5141SD	on request
KRS-5	0,100	dispersive	5142SD	on request
KRS-5	0,200	dispersive	5143SD	on request
KRS-5	0,500	dispersive	5144SD	on request
KRS-5	1,000	dispersive	5145SD	on request
KRS-5	0,015	FTIR	5139S	on request
KRS-5	0,025	FTIR	5140S	on request
KRS-5	0,050	FTIR	5141S	on request
KRS-5	0,100	FTIR	5142S	on request
KRS-5	0,200	FTIR	5143S	on request
KRS-5	0,500	FTIR	5144S	on request
KRS-5	1,000	FTIR	5145S	on request
ZnSe	0,015	dispersive	7360SD	on request
ZnSe	0,025	dispersive	7361SD	on request
ZnSe	0,050	dispersive	7362SD	on request
ZnSe	0,100	dispersive	7363SD	on request
ZnSe	0,200	dispersive	7364SD	on request
ZnSe	0,500	dispersive	7365SD	on request
ZnSe	1,000	dispersive	7366SD	on request
ZnSe	0,015	FTIR	7360S	on request
ZnSe	0,025	FTIR	7361S	on request
ZnSe	0,050	FTIR	7362S	on request
ZnSe	0,100	FTIR	7363S	on request
ZnSe	0,200	FTIR	7364S	on request
ZnSe	0,500	FTIR	7365S	on request
ZnSe	1,000	FTIR	7366S	on request

Permanent Sealed Liquid Cells

Material	Pathlength (mm)	Application	Part No.	Price
NaCl	0,015	dispersive	5153	on request
NaCl	0,025	dispersive	5154	on request
NaCl	0,050	dispersive	5155	on request
NaCl	0,100	dispersive	5156	on request
NaCl	0,200	dispersive	5157	on request
NaCl	0,500	dispersive	5158	on request
NaCl	1,000	dispersive	5159	on request
NaCl	0,015	FTIR	5153C	on request
NaCl	0,025	FTIR	5154C	on request
NaCl	0,050	FTIR	5155C	on request
NaCl	0,100	FTIR	5156C	on request
NaCl	0,200	FTIR	5157C	on request
NaCl	0,500	FTIR	5158C	on request
NaCl	1,000	FTIR	5159C	on request
KBr	0,015	dispersive	5160	on request
KBr	0,025	dispersive	5161	on request
KBr	0,050	dispersive	5162	on request
KBr	0,100	dispersive	5163	on request
KBr	0,200	dispersive	5164	on request
KBr	0,500	dispersive	5165	on request
KBr	1,000	dispersive	5166	on request
KBr	0,015	FTIR	5160C	on request
KBr	0,025	FTIR	5161C	on request
KBr	0,050	FTIR	5162C	on request
KBr	0,100	FTIR	5163C	on request
KBr	0,200	FTIR	5164C	on request
KBr	0,500	FTIR	5165C	on request
KBr	1,000	FTIR	5166C	on request
CaF2	0,015	dispersive	5167	on request
CaF2	0,025	dispersive	5168	on request
CaF2	0,050	dispersive	5169	on request
CaF2	0,100	dispersive	5170	on request
CaF2	0,200	dispersive	5171	on request
CaF2	0,500	dispersive	5172	on request
CaF2	1,000	dispersive	5173	on request
CaF2	0,015	FTIR	5167C	on request
CaF2	0,025	FTIR	5168C	on request
CaF2	0,050	FTIR	5169C	on request
CaF2	0,100	FTIR	5170C	on request
CaF2	0,200	FTIR	5171C	on request

Permanent Sealed Liquid Cells

Material	Pathlength (mm)	Application	Part No.	Price
CaF2	0,500	FTIR	5172C	on request
CaF2	1,000	FTIR	5173C	on request
BaF2	0,015	dispersive	5174	on request
BaF2	0,025	dispersive	5175	on request
BaF2	0,050	dispersive	5176	on request
BaF2	0,100	dispersive	5177	on request
BaF2	0,200	dispersive	5178	on request
BaF2	0,500	dispersive	5179	on request
BaF2	1,000	dispersive	5180	on request
BaF2	0,015	FTIR	5174C	on request
BaF2	0,025	FTIR	5175C	on request
BaF2	0,050	FTIR	5176C	on request
BaF2	0,100	FTIR	5177C	on request
BaF2	0,200	FTIR	5178C	on request
BaF2	0,500	FTIR	5179C	on request
BaF2	1,000	FTIR	5180C	on request
KRS-5	0,015	dispersive	5195	on request
KRS-5	0,025	dispersive	5196	on request
KRS-5	0,050	dispersive	5197	on request
KRS-5	0,100	dispersive	5198	on request
KRS-5	0,200	dispersive	5199	on request
KRS-5	0,500	dispersive	5200	on request
KRS-5	1,000	dispersive	5201	on request
KRS-5	0,015	FTIR	5195C	on request
KRS-5	0,025	FTIR	5196C	on request
KRS-5	0,050	FTIR	5197C	on request
KRS-5	0,100	FTIR	5198C	on request
KRS-5	0,200	FTIR	5199C	on request
KRS-5	0,500	FTIR	5200C	on request
KRS-5	1,000	FTIR	5201C	on request
ZnSe	0,015	dispersive	7216	on request
ZnSe	0,025	dispersive	7217	on request
ZnSe	0,050	dispersive	7218	on request
ZnSe	0,100	dispersive	7219	on request
ZnSe	0,200	dispersive	7220	on request
ZnSe	0,500	dispersive	7221	on request
ZnSe	1,000	dispersive	7222	on request
ZnSe	0,015	FTIR	7216C	on request

Permanent Sealed Liquid Cells

Material	Pathlength (mm)	Application	Part No.	Price
ZnSe	0,025	FTIR	7217C	on request
ZnSe	0,050	FTIR	7218C	on request
ZnSe	0,100	FTIR	7219C	on request
ZnSe	0,200	FTIR	7220C	on request
ZnSe	0,500	FTIR	7221C	on request
ZnSe	1,000	FTIR	7222C	on request

Permanent sealed liquid cells are used for analyzing liquids. They consist of a corrosion resistant stainless steel body.

The cell is permanently mounted and sealed inside the main body and is therefore not demountable.

All cells are calibrated with the interference fringe calculation before leaving the factory.

Since the cell thickness is permanently fixed, it provides accurate, reproducible results, making it ideal for performing quantitative measurements.

The cells are filled through Luer-Lock filling ports.

Micro Flow Through Cells

Material	Pathlength (mm)	Volume (µl)	Clear Aperture (mm)	Application	Part No.	Price
NaCl	1,5	4,5	2	FTIR	5A01	on request
NaCl	1,5	25	2 x 7	dispersive	5A02	on request
NaCl	3,0	9	2,00	FTIR	5A03	on request
NaCl	3,0	50	2 x 7	dispersive	5A04	on request
KBr	1,5	4,5	2,00	FTIR	5C01	on request
KBr	1,5	25	2 x 7	dispersive	5C02	on request
KBr	3,0	9	2,00	FTIR	5C03	on request
KBr	3,0	50	2 x 7	dispersive	5C04	on request
CaF2	1,5	4,5	2,00	FTIR	5D01	on request
CaF2	1,5	25	2 x 7	dispersive	5D02	on request
CaF2	3,0	9	2,00	FTIR	5D03	on request
CaF2	3,0	50	2 x 7	dispersive	5D04	on request
BaF2	1,5	4,5	2,00	FTIR	5E01	on request
BaF2	1,5	25	2 x 7	dispersive	5E02	on request
BaF2	3,0	9	2,00	FTIR	5E03	on request
BaF2	3,0	50	2 x 7	dispersive	5E04	on request
KRS-5	1,5	4,5	2,00	FTIR	5G01	on request
KRS-5	1,5	25	2 x 7	dispersive	5G02	on request
KRS-5	3,0	9	2,00	FTIR	5G03	on request
KRS-5	3,0	50	2 x 7	dispersive	5G04	on request
ZnSe	1,5	4,5	2,00	FTIR	5K01	on request
ZnSe	1,5	25	2 x 7	dispersive	5K02	on request
ZnSe	3,0	9	2,00	FTIR	5K03	on request
ZnSe	3,0	50	2 x 7	dispersive	5K04	on request

The cells are designed for analyzing very small liquid volumes or HPLC/LC fractions in both dispersive and FTIR spectrophotometers.

Two 13 x 2 mm windows are permanently amalgamated to the cell body, forming a leak-proof seal. The cell is not demountable and will be destroyed when disassembled.

The complete cell assembly includes cell body, leads, windows and mounting plate.

Pre-Spaced Mini Cell®

Part No.	Description	Price
018-4041	Complete cell kit with 6 AgCl windows	on request
018-4045	Pack of 6 AgCl windows	on request
018-4044	Delrin® cell holder	on request
6105	Slide plate holder	on request
DCM-1	Demountable cell mount - Used for qualitative analysis of liquids and Nujol mulls. Three slip-nuts apply uniform pressure onto two windows which are sealed by two standard neoprene O-rings. The cell takes 25 mm diameter x 4 mm thick windows which must be ordered separately (please refer to the table "IR Windows").	on request

The Mini Cell® offers an economical approach for obtaining qualitative infrared spectra of paste or mull samples.

Each AgCl window has a circular depression of 0,025 mm. Pathlengths of either 0,025 or 0,05 mm can be set depending on the orientation of each of the two windows.

The cell body is made from Delrin® and is supplied complete with sample holder and slide plate.

Delrin® is a registered trademark of E. I. DuPont de Nemours and Company.

Beta Cell - Liquid Cell with Variable Pathlengths

Part No.	Description	Price
6401	Complete cell kit, includes demountable cell holder, assorted PTFE spacers, slide plate holder and instructions	on request
6402	Demountable cell holder and assorted PTFE spacers	on request
6404	Beta cell only	on request
6105	Slide plate holder	on request
5244	PTFE spacer 0,015 mm, pack of 12	on request
5240	PTFE spacer 0,025 mm, pack of 12	on request
5241	PTFE spacer 0,05 mm, pack of 12	on request
5242	PTFE spacer 0,1 mm, pack of 12	on request
5245	PTFE spacer 0,2 mm, pack of 12	on request
5246	PTFE spacer 0,5 mm, pack of 12	on request
5247	PTFE spacer 1,0 mm, pack of 12	on request
5237	Neoprene gasket, pack of 12	on request

Low cost, easy to use demountable cell. The sample is placed between two undrilled windows, separated by a spacer which determines the cell pathlength.

The windows are placed into the holder and held secure with a threaded retaining ring.

This cell type is ideal for student use and durable enough for continuous use.

The cell takes 25 mm diameter x 4 mm thick windows which must be ordered separately (please refer to the table "IR Windows").

Gas Cells

Part No.	Description/Pathlength	Price
Beta gas cell		
6801	Beta gas cell / 10 cm	on request
6802	Beta gas cell / 5 cm	on request
Beta gas cell replacement parts		
6803	Septa, pack of 6	on request
6804	Viton® O-ring, pack of 6	on request
6804T	PTFE O-ring, pack of 6	on request
6805	PTFE gasket, pack of 6	on request
10 cm demountable gas cell		
7200	Gas cell, with Pyrex® cell body, Pyrex® stopcock 18/9 spherical ball and socket joints	on request
GC-100SS	Gas cell, 316 stainless steel cell body, 316 stainless steel stopcock 1/4" OD Swagelok® tube	on request
TGC-10	Gas cell, PTFE cell body, PFA stopcock 1/4" OD Swagelok® tube	on request

Beta gas cells are available with 5 and 10 cm pathlengths.

The cells consist of a Pyrex® body, two Pyrex® filling ports with replaceable rubber septa, Viton® O-rings, window holders and Beta cell holder (for mounting into Instrument's sample compartment).

Two 25 mm diameter x 4 mm thick windows are required. These must be ordered separately (please refer to the table "IR Windows").

Due to the special demountable cell design, the change of windows can be performed quickly.

10 cm demountable gas cells offer a high quality, yet relatively inexpensive method for performing gas studies by infrared.

They are available in Pyrex®, PTFE or stainless steel versions and can be operated at either under reduced or positive pressures.

Two end windows are required to complete the cell assembly. These must be ordered separately (please refer to the table "IR Windows").

The Pyrex® cell requires 49 x 6 mm windows, while the PTFE and stainless steel versions require 38 x 6 mm windows.

Pyrex® is a registered trademark of Corning Incorporated.

Viton® is a registered trademark of E. I. DuPont de Nemours and Company.

Swagelok® is a registered trademark of Swagelok Company.

IR Windows

Material	Dimensions (mm)	Part No.	Price
polished, discs			
NaCl	13 Ø x 2	500A1	on request
NaCl	25 Ø x 4	500A3	on request
NaCl	32 Ø x 3	500A4	on request
NaCl	32 Ø x 3 drilled	500A4D	on request
NaCl	38 Ø x 6	500A5	on request
NaCl	49 Ø x 6	500A6	on request
KCl	13 Ø x 2	500B1	on request
KCl	25 Ø x 4	500B3	on request
KCl	32 Ø x 3	500B4	on request
KCl	32 Ø x 3 drilled	500B4D	on request
KCl	38 Ø x 6	500B5	on request
KCl	49 Ø x 6	500B6	on request
KBr	13 Ø x 2	500C1	on request
KBr	25 Ø x 4	500C3	on request
KBr	32 Ø x 3	500C4	on request
KBr	32 Ø x 3 drilled	500C4D	on request
KBr	38 Ø x 6	500C5	on request
KBr	49 Ø x 6	500C6	on request
CaF2	13 Ø x 2	500D1	on request
CaF2	25 Ø x 4	500D3	on request
CaF2	32 Ø x 3	500D4	on request
CaF2	32 Ø x 3 drilled	500D4D	on request
CaF2	38 Ø x 6	500D5	on request
CaF2	49 Ø x 6	500D6	on request
BaF2	13 Ø x 2	500E1	on request
BaF2	25 Ø x 4	500E3	on request
BaF2	32 Ø x 3	500E4	on request
BaF2	32 Ø x 3 drilled	500E4D	on request
BaF2	38 Ø x 6	500E5	on request
BaF2	49 Ø x 6	500E6	on request
CsI	13 Ø x 2	500F1	on request
CsI	25 Ø x 4	500F3	on request
CsI	32 Ø x 3	500F4	on request
CsI	32 Ø x 3 drilled	500F4D	on request
CsI	38 Ø x 6	500F5	on request
CsI	49 Ø x 6	500F6	on request
KRS-5	13 Ø x 2	500G1	on request
KRS-5	25 Ø x 4	500G3	on request
KRS-5	32 Ø x 3	500G4	on request
KRS-5	32 Ø x 3 drilled	500G4D	on request
KRS-5	38 Ø x 6	500G5	on request
KRS-5	49 Ø x 6	500G6	on request

IR Windows

Material	Dimensions (mm)	Part No.	Price
AgBr	13 Ø x 2	500H1	on request
AgBr	25 Ø x 4	500H3	on request
AgBr	32 Ø x 3	500H4	on request
AgBr	32 Ø x 3 drilled	500H4D	on request
AgBr	38 Ø x 6	500H5	on request
AgBr	49 Ø x 6	500H6	on request
ZnS	13 Ø x 2	500J1	on request
ZnS	25 Ø x 2	500J3	on request
ZnS	32 Ø x 3	500J4	on request
ZnS	32 Ø x 3 drilled	500J4D	on request
ZnS	38 Ø x 3	500J5	on request
ZnS	49 Ø x 3	500J6	on request
ZnSe	13 Ø x 2	500K1	on request
ZnSe	25 Ø x 2	500K3	on request
ZnSe	32 Ø x 3	500K4	on request
ZnSe	32 Ø x 3 drilled	500K4D	on request
ZnSe	38 Ø x 3	500K5	on request
ZnSe	49 Ø x 3	500K6	on request
SiO2	13 Ø x 2	500N1	on request
SiO2	25 Ø x 4	500N3	on request
SiO2	32 Ø x 3	500N4	on request
SiO2	32 Ø x 3 drilled	500N4D	on request
SiO2	38 Ø x 6	500N5	on request
SiO2	49 Ø x 6	500N6	on request
AgCl	13 Ø x 2	500S1	on request
AgCl	25 Ø x 4	500S3	on request
AgCl	32 Ø x 3	500S4	on request
AgCl	32 Ø x 3 drilled	500S4D	on request
AgCl	38 Ø x 6	500S5	on request
AgCl	49 Ø x 6	500S6	on request
Optically polished, rectangles			
NaCl	30 x 15 x 4	511A2	on request
NaCl	30 x 15 x 4 drilled	511A2D	on request
NaCl	38 x 19 x 4	511A3	on request
NaCl	38 x 19 x 4 drilled	511A3D	on request
NaCl	41 x 23 x 6	511A4	on request
NaCl	41 x 23 x 6 drilled	511A4D	on request
NaCl	50 x 25 x 6	511A6	on request
NaCl	50 x 25 x 6 drilled	511A6D	on request
KCl	30 x 15 x 4	511B2	on request
KCl	30 x 15 x 4 drilled	511B2D	on request
KCl	38 x 19 x 4	511B3	on request
KCl	38 x 19 x 4 drilled	511B3D	on request

IR Windows

Material	Dimensions (mm)	Part No.	Price
KCl	41 x 23 x 6	511B4	on request
KCl	41 x 23 x 6 drilled	511B4D	on request
KCl	50 x 25 x 6	511B6	on request
KCl	50 x 25 x 6 drilled	511B6D	on request
KBr	30 x 15 x 4	511C2	on request
KBr	30 x 15 x 4 drilled	511C2D	on request
KBr	38 x 19 x 4	511C3	on request
KBr	38 x 19 x 4 drilled	511C3D	on request
KBr	41 x 23 x 6	511C4	on request
KBr	41 x 23 x 6 drilled	511C4D	on request
KBr	50 x 25 x 6	511C6	on request
KBr	50 x 25 x 6 drilled	511C6D	on request
CaF2	30 x 15 x 4	511D2	on request
CaF2	30 x 15 x 4 drilled	511D2D	on request
CaF2	38 x 19 x 4	511D3	on request
CaF2	38 x 19 x 4 drilled	511D3D	on request
CaF2	41 x 23 x 6	511D4	on request
CaF2	41 x 23 x 6 drilled	511D4D	on request
CaF2	50 x 25 x 6	511D6	on request
CaF2	50 x 25 x 6 drilled	511D6D	on request
BaF2	30 x 15 x 4	511E2	on request
BaF2	30 x 15 x 4 drilled	511E2D	on request
BaF2	38 x 19 x 4	511E3	on request
BaF2	38 x 19 x 4 drilled	511E3D	on request
BaF2	41 x 23 x 6	511E4	on request
BaF2	41 x 23 x 6 drilled	511E4D	on request
BaF2	50 x 25 x 6	511E6	on request
BaF2	50 x 25 x 6 drilled	511E6D	on request
CsI	30 x 15 x 4	511F2	on request
CsI	30 x 15 x 4 drilled	511F2D	on request
CsI	38 x 19 x 4	511F3	on request
CsI	38 x 19 x 4 drilled	511F3D	on request
CsI	41 x 23 x 6	511F4	on request
CsI	41 x 23 x 6 drilled	511F4D	on request
CsI	50 x 25 x 6	511F6	on request
CsI	50 x 25 x 6 drilled	511F6D	on request
KRS-5	30 x 15 x 4	511G2	on request
KRS-5	30 x 15 x 4 drilled	511G2D	on request
KRS-5	38 x 19 x 4	511G3	on request
KRS-5	38 x 19 x 4 drilled	511G3D	on request
KRS-5	41 x 23 x 6	511G4	on request
KRS-5	41 x 23 x 6 drilled	511G4D	on request
KRS-5	50 x 25 x 6	511G6	on request

IR Windows

Material	Dimensions (mm)	Part No.	Price
KRS-5	50 x 25 x 6 drilled	511G6D	on request
AgBr	30 x 15 x 4	511H2	on request
AgBr	30 x 15 x 4 drilled	511H2D	on request
AgBr	38 x 19 x 4	511H3	on request
AgBr	38 x 19 x 4 drilled	511H3D	on request
AgBr	41 x 23 x 6	511H4	on request
AgBr	41 x 23 x 6 drilled	511H4D	on request
AgBr	50 x 25 x 6	511H6	on request
AgBr	50 x 25 x 6 drilled	511H6D	on request
ZnS	30 x 15 x 2	511J2	on request
ZnS	30 x 15 x 2 drilled	511J2D	on request
ZnS	38 x 19 x 2	511J3	on request
ZnS	38 x 19 x 2 drilled	511J3D	on request
ZnS	41 x 23 x 3	511J4	on request
ZnS	41 x 23 x 3 drilled	511J4D	on request
ZnS	50 x 25 x 3	511J6	on request
ZnS	50 x 25 x 3 drilled	511J6D	on request
ZnSe	30 x 15 x 2	511K2	on request
ZnSe	30 x 15 x 2 drilled	511K2D	on request
ZnSe	38 x 19 x 2	511K3	on request
ZnSe	38 x 19 x 2 drilled	511K3D	on request
ZnSe	41 x 23 x 3	511K4	on request
ZnSe	41 x 23 x 3 drilled	511K4D	on request
ZnSe	50 x 25 x 3	511K6	on request
ZnSe	50 x 25 x 3 drilled	511K6D	on request
SiO2	30 x 15 x 4	511N2	on request
SiO2	30 x 15 x 4 drilled	511N2D	on request
SiO2	38 x 19 x 4	511N3	on request
SiO2	38 x 19 x 4 drilled	511N3D	on request
SiO2	41 x 23 x 6	511N4	on request
SiO2	41 x 23 x 6 drilled	511N4D	on request
SiO2	50 x 25 x 6	511N6	on request
SiO2	50 x 25 x 6 drilled	511N6D	on request
AgCl	30 x 15 x 4	511S2	on request
AgCl	30 x 15 x 4 drilled	511S2D	on request
AgCl	38 x 19 x 4	511S3	on request
AgCl	38 x 19 x 4 drilled	511S3D	on request
AgCl	41 x 23 x 6	511S4	on request
AgCl	41 x 23 x 6 drilled	511S4D	on request
AgCl	50 x 25 x 6	511S6	on request
AgCl	50 x 25 x 6 drilled	511S6D	on request