

## Disks, Windows and Powders – For Transmission FTIR Analysis of Solid and Liquid Samples



PIKE Technologies offer Premier Stock window and crystal materials – a carefully selected range of IR transparent materials most often used by IR spectroscopists. They fit PIKE accessories and cell holders available from other vendors. All windows, crystals and powders are made from the best quality material. The optical components are individually packaged and silica gel is included with those materials which are affected by humidity. The products highlighted in **Red** are in stock and available for immediate delivery. Please refer to the next pages for full range of IR optical materials, windows and crystals. *Note, save on price and shipping cost by selecting 6 pack versions of popular crystals.*

### ORDERING INFORMATION

#### Powders

PART NUMBER	DESCRIPTION
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160-8010	KBr Powder, 100 g
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#### Chunks

PART NUMBER	DESCRIPTION
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160-8015	KBr Chunks, 100 g
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#### Disks, 13 mm Diameter

##### 1 mm Thickness

PART NUMBER	DESCRIPTION
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160-5003	13 x 1 mm KBr
160-5004	13 x 1 mm NaCl

##### 2 mm Thickness

PART NUMBER	DESCRIPTION
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160-1301	13 x 2 mm AMTIR
160-1218	13 x 2 mm BaF <sub>2</sub>
160-1213	13 x 2 mm CaF <sub>2</sub>
160-1198	13 x 2 mm CsI
160-1191	13 x 2 mm Ge
160-1135	13 x 2 mm KBr
160-1008	13 x 2 mm KBr (6 pack)
160-1173	13 x 2 mm KRS-5
160-1170	13 x 2 mm NaCl
160-1005	13 x 2 mm NaCl (6 pack)
160-5201	13 x 2 mm SiO <sub>2</sub>
160-1160	13 x 2 mm Si
160-1241	13 x 2 mm ZnS
160-1115	13 x 2 mm ZnSe
160-1001	13 x 2 mm ZnSe (6 pack)

#### Disks, 20 mm Diameter

##### 2 mm Thickness

PART NUMBER	DESCRIPTION
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160-1148	20 x 2 mm BaF <sub>2</sub>
160-1144	20 x 2 mm CaF <sub>2</sub>
160-1197	20 x 2 mm CsI
160-1139	20 x 2 mm Ge
160-1134	20 x 2 mm KBr
160-1128	20 x 2 mm KRS-5
160-1169	20 x 2 mm NaCl
160-5211	20 x 2 mm Polyethylene
160-5119	20 x 2 mm SiO <sub>2</sub>
160-1118	20 x 2 mm Si
160-5118	20 x 2 mm ZnS
160-1304	20 x 2 mm ZnSe

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## ORDERING INFORMATION

## Disks, 25 mm Diameter

## 2 mm Thickness

PART NUMBER	DESCRIPTION
160-1201	25 x 2 mm AMTIR
160-1306	25 x 2 mm BaF <sub>2</sub>
160-1212	25 x 2 mm CaF <sub>2</sub>
160-1002	25 x 2 mm CaF <sub>2</sub> (6 pack)
160-1308	25 x 2 mm CsI
160-1307	25 x 2 mm Ge
160-1305	25 x 2 mm KBr
160-1172	25 x 2 mm KRS-5
160-1168	25 x 2 mm NaCl
160-1004	25 x 2 mm NaCl (6 pack)
160-5213	25 x 2 mm Polyethylene
160-5086	25 x 2 mm SiO <sub>2</sub>
160-1117	25 x 2 mm Si
160-5084	25 x 2 mm ZnS
160-1155	25 x 2 mm ZnSe
160-1007	25 x 2 mm ZnSe (6 pack)

## 4 mm Thickness

PART NUMBER	DESCRIPTION
160-1217	25 x 4 mm BaF <sub>2</sub>
160-1211	25 x 4 mm CaF <sub>2</sub>
160-1196	25 x 4 mm CsI
160-1138	25 x 4 mm Ge
160-1133	25 x 4 mm KBr
160-1009	25 x 4 mm KBr (6 pack)
160-1127	25 x 4 mm KRS-5
160-1124	25 x 4 mm NaCl
160-1012	25 x 4 mm NaCl (6 pack)
160-5214	25 x 4 mm Polyethylene
160-5089	25 x 4 mm SiO <sub>2</sub>
160-1116	25 x 4 mm Si
160-5087	25 x 4 mm ZnS
160-1114	25 x 4 mm ZnSe

## Disks, 25 mm Diameter

## 5 mm Thickness

PART NUMBER	DESCRIPTION
160-1311	25 x 5 mm BaF <sub>2</sub>
160-1210	25 x 5 mm CaF <sub>2</sub>
160-1316	25 x 5 mm CsI
160-1313	25 x 5 mm Ge
160-1189	25 x 5 mm KBr
160-1003	25 x 5 mm KBr (6 pack)
160-1312	25 x 5 mm KRS-5
160-1123	25 x 5 mm NaCl
160-1011	25 x 5 mm NaCl (6 pack)
160-5100	25 x 5 mm SiO <sub>2</sub>
160-5090	25 x 5 mm ZnS
160-1154	25 x 5 mm ZnSe

## Disks, 32 mm Diameter

## 3 mm Thickness

PART NUMBER	DESCRIPTION
160-1200	32 x 3 mm AMTIR
160-1199	32 x 3 mm AMTIR, drilled
160-1147	32 x 3 mm BaF <sub>2</sub>
160-1146	32 x 3 mm BaF <sub>2</sub> , drilled
160-1143	32 x 3 mm CaF <sub>2</sub>
160-1142	32 x 3 mm CaF <sub>2</sub> , drilled
160-1195	32 x 3 mm CsI
160-1194	32 x 3 mm CsI, drilled
160-1137	32 x 3 mm Ge
160-1136	32 x 3 mm Ge, drilled
160-1132	32 x 3 mm KBr
160-1010	32 x 3 mm KBr (6 pack)
160-1131	32 x 3 mm KBr, drilled
160-1015	32 x 3 mm KBr, drilled (6 pack)
160-1126	32 x 3 mm KRS-5
160-1125	32 x 3 mm KRS-5, drilled
160-1122	32 x 3 mm NaCl
160-1013	32 x 3 mm NaCl (6 pack)

## Disks, 32 mm Diameter (continued)

## 3 mm Thickness

PART NUMBER	DESCRIPTION
160-1121	32 x 3 mm NaCl, drilled
160-1014	32 x 3 mm NaCl, drilled (6 pack)
160-5216	32 x 3 mm Polyethylene
160-5215	32 x 3 mm Polyethylene, drilled
160-5049	32 x 3 mm SiO <sub>2</sub>
160-5052	32 x 3 mm SiO <sub>2</sub> , drilled
160-1159	32 x 3 mm Si
160-1158	32 x 3 mm Si, drilled
160-5047	32 x 3 mm ZnS
160-5048	32 x 3 mm ZnS, drilled
160-1113	32 x 3 mm ZnSe
160-1112	32 x 3 mm ZnSe, drilled

## Disks, 38 mm Diameter

## 3 mm Thickness

PART NUMBER	DESCRIPTION
160-1349	38 x 3 mm BaF <sub>2</sub>
160-1350	38 x 3 mm Ge
160-5220	38 x 3 mm KBr
160-1344	38 x 3 mm KRS-5
160-5218	38 x 3 mm Polyethylene
160-1233	38 x 3 mm SiO <sub>2</sub>
160-1353	38 x 3 mm Si
160-1315	38 x 3 mm ZnS
160-5025	38 x 3 mm ZnSe

## 6 mm Thickness

PART NUMBER	DESCRIPTION
160-1357	38 x 6 mm AMTIR
160-1322	38 x 6 mm BaF <sub>2</sub>
160-1342	38 x 6 mm CaF <sub>2</sub>
160-1326	38 x 6 mm CsI
160-1323	38 x 6 mm Ge
160-1320	38 x 6 mm KBr
160-1343	38 x 6 mm KRS-5
160-1321	38 x 6 mm NaCl
160-5219	38 x 6 mm Polyethylene
160-1355	38 x 6 mm SiO <sub>2</sub>
160-1324	38 x 6 mm Si
160-1329	38 x 6 mm ZnSe

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## ORDERING INFORMATION

### Disks, 41 mm Diameter

#### 3 mm Thickness

PART NUMBER	DESCRIPTION
160-1216	41 x 3 mm BaF <sub>2</sub>
160-1209	41 x 3 mm CaF <sub>2</sub>
160-1188	41 x 3 mm KBr
160-1167	41 x 3 mm NaCl
160-5217	41 x 3 mm Polyethylene
160-5157	41 x 3 mm ZnS
160-1341	41 x 3 mm ZnSe

### Disks, 49 mm Diameter

#### 3 mm Thickness

PART NUMBER	DESCRIPTION
160-5161	49 x 3 mm ZnS
160-1153	49 x 3 mm ZnSe

#### 6 mm Thickness

PART NUMBER	DESCRIPTION
160-5027	49 x 6 mm BaF <sub>2</sub>
160-5206	49 x 6 mm CaF <sub>2</sub>
160-5029	49 x 6 mm CsI
160-1187	49 x 6 mm KBr
160-5205	49 x 6 mm KRS-5
160-1166	49 x 6 mm NaCl
160-5164	49 x 6 mm SiO <sub>2</sub>

### Disks, 50 mm Diameter

#### 3 mm Thickness

PART NUMBER	DESCRIPTION
160-5030	50 x 3 mm BaF <sub>2</sub>
160-1208	50 x 3 mm CaF <sub>2</sub>
160-5173	50 x 3 mm CsI
160-1186	50 x 3 mm KBr
160-1171	50 x 3 mm KRS-5
160-1165	50 x 3 mm NaCl
160-5177	50 x 3 mm ZnS
160-1152	50 x 3 mm ZnSe

### Windows, 29 mm x 14 mm

#### 4 mm Thickness

PART NUMBER	DESCRIPTION
160-1215	29 x 14 x 4 mm BaF <sub>2</sub>
160-5010	29 x 14 x 4 mm BaF <sub>2</sub> , drilled
160-1207	29 x 14 x 4 mm CaF <sub>2</sub>
160-5011	29 x 14 x 4 mm CaF <sub>2</sub> , drilled
160-5007	29 x 14 x 4 mm Ge
160-5012	29 x 14 x 4 mm Ge, drilled
160-1185	29 x 14 x 4 mm KBr
160-1184	29 x 14 x 4 mm KBr, drilled
160-5009	29 x 14 x 4 mm KRS-5
160-5014	29 x 14 x 4 mm KRS-5, drilled
160-1164	29 x 14 x 4 mm NaCl
160-1163	29 x 14 x 4 mm NaCl, drilled

### Windows, 38 mm x 19 mm

#### 2 mm Thickness

PART NUMBER	DESCRIPTION
160-1269	38 x 19 x 2 mm AMTIR
160-1270	38 x 19 x 2 mm AMTIR, drilled
160-1157	38 x 19 x 2 mm Si
160-1156	38 x 19 x 2 mm Si, drilled
160-1275	38 x 19 x 2 mm ZnS
160-1276	38 x 19 x 2 mm ZnS, drilled
160-1151	38 x 19 x 2 mm ZnSe
160-1150	38 x 19 x 2 mm ZnSe, drilled

#### 4 mm Thickness

PART NUMBER	DESCRIPTION
160-1214	38 x 19 x 4 mm BaF <sub>2</sub>
160-1145	38 x 19 x 4 mm BaF <sub>2</sub> , drilled
160-1141	38 x 19 x 4 mm CaF <sub>2</sub>
160-1140	38 x 19 x 4 mm CaF <sub>2</sub> , drilled
160-1193	38 x 19 x 4 mm CsI
160-1192	38 x 19 x 4 mm CsI, drilled
160-1190	38 x 19 x 4 mm Ge
160-5032	38 x 19 x 4 mm Ge, drilled
160-1130	38 x 19 x 4 mm KBr
160-1129	38 x 19 x 4 mm KBr, drilled
160-5031	38 x 19 x 4 mm KRS-5
160-5016	38 x 19 x 4 mm KRS-5, drilled
160-1162	38 x 19 x 4 mm NaCl
160-1006	38 x 19 x 4 mm NaCl (6 pack)
160-1161	38 x 19 x 4 mm NaCl, drilled
160-1292	38 x 19 x 4 mm SiO <sub>2</sub>
160-1293	38 x 19 x 4 mm SiO <sub>2</sub> , drilled

### Windows, 41 mm x 23 mm

#### 3 mm Thickness

PART NUMBER	DESCRIPTION
160-1277	41 x 23 x 3 mm ZnS
160-1279	41 x 23 x 3 mm ZnS, drilled
160-1111	41 x 23 x 3 mm ZnSe
160-1280	41 x 23 x 3 mm ZnSe, drilled

#### 6 mm Thickness

PART NUMBER	DESCRIPTION
160-5146	41 x 23 x 6 mm BaF <sub>2</sub>
160-5152	41 x 23 x 6 mm BaF <sub>2</sub> , drilled
160-5147	41 x 23 x 6 mm CaF <sub>2</sub>
160-5153	41 x 23 x 6 mm CaF <sub>2</sub> , drilled
160-1183	41 x 23 x 6 mm KBr
160-1182	41 x 23 x 6 mm KBr, drilled
160-1120	41 x 23 x 6 mm NaCl
160-1119	41 x 23 x 6 mm NaCl, drilled

Notes: For disk and window sizes other than shown here, please contact PIKE Technologies.

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