

DC-3 Diamond Compression Cell

Diamond compression cell for transmission FTIR microscopy.

The DC-3 comprises two diamond windows metal bonded into stainless-steel backing plates. Quick to assemble and fits easily into all FTIR microscope systems.

Key Features

- High optical throughput**
 The diamond windows are high-temperature bonded, increasing strength and reducing the required thickness of the windows.
- Non-rotating, uniform pressure application**
 The twin-screw design ensures that samples can be compressed to ideal thickness without introducing any torque on the sample.
- Microscope slide form-factor**
 The cell has the same dimensions as common glass microscope slides, making for easy placement in the microscope.
- (Optional) beam condenser accessory**
 This can be used for mounting the DC-3 into a standard benchtop spectrometer.



Specifications & Ordering Information

Item	Specification
<i>For the diamond compression cell</i>	
Window material	Diamond
Body Material	Stainless-steel 440C
Aperture size	1.5 mm
Dimensions of each window plate	76.2 mm x 25.4 mm x 4.0 mm
Height of assembled cell	8 mm (excluding thumbscrews) 14 mm (including thumbscrews)
<i>For the microfocus beamcondenser</i>	
Window material	ZnSe or KRS-5
Power magnification	4x

Diamond Compression Cell

GS02555 DC-3 Diamond Compression Cell

Microfocus Beam Condenser

GS02560 Microfocus Beam Condenser with ZnSe lenses
 GS02561 Microfocus Beam Condenser with KRS-5 lenses

Sample tools

GS02508 Sample forceps
 GS02509 Stainless-steel sample needle
 GS02510 Sample preparation knife with 10 blades and blade remover

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