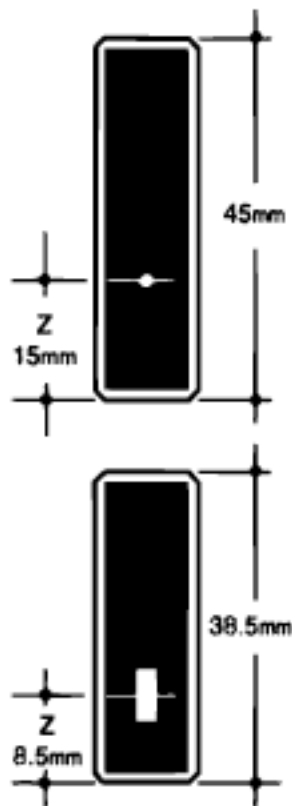


'Z' Dimension for small volumes

The 'Z' dimension is the distance from the base of a cell to the center of the sample chamber window. The 'Z' dimension is very important for small volume cells of any design, where the sample compartment cross section dimension is very small. The correct 'Z' dimension should be added to the part number for small volume cells

'Z' Dimension per Instrument

<i>Manufacturer:</i>	<i>'Z' Dimension:</i>
Agilent®	15 mm
Beckman®	8.5 mm
Bio-Rad®	8.5 mm
Eppendorf®	8.5 mm
GBC®	15 mm
Hewlett Packard®	15 mm
Hitachi®	varies by instrument
Jasco®	11 mm
Ocean Optics®	15 mm
Perkin-Elmer®	15 mm
Pharmacia®	15 mm
Shimadzu®	15 mm
StellarNet®	15 mm
Thermo Spectronic®	8.5 and 15 mm
Turner®	8.5 mm
Varian®	20 mm



How to determine 'Z' Dimension:

- 1) Cut a piece of paper 12mm x 100mm
- 2) Punch a hole with a pen 15mm from one end and 8.5mm from the other end
- 3) Put your instrument in %T at about 535nm.
- 4) Place the paper in the cell holder and see which hole transmits light through the hole.
- 5) If neither transmits light, cut another piece of paper and try other dimensions from the end of the paper.