



## 2.3.8 Temperature Controlled Fluorescence Cells

semi-micro | with stopper made of PTFE

Temperature controlled fluorescence cells are available in rectangular form. These cells are used where measurements are to be carried out at a specified and constant temperature.

The measuring chamber is surrounded by a jacket through which liquids can be pumped to maintain a constant temperature within the sample. Inlet and outlet tubes made of quartz connect this jacket to a thermostat. Temperature controlled fluorescence cells have five windows and are filled and emptied manually.

Catalogue Number	Window Material	Light Path mm	Outside Dim. H x W x D mm	Inside Width mm	Base Thickn. mm	Volume $\mu$ l	Number of Windows	Remarks
161-QS	Quartz SUPRASIL	10 x 4	48 x 12.5 x 12.5	4	3.2	1400	5	horizontal tubes to thermostat
161.001-QS	Quartz SUPRASIL	10 x 4	48 x 12.5 x 12.5	4	3.2	1400	5	vertical tubes to thermostat



161



161.001

## 2.3.9 Cells for Flow-Through Measurements

General remarks about flow-through cells can be found in chapter 2.2.9

### Fluorescence Cells for Continuous Flow

Cell model 131 has two connectors and is used for measurements in which the sample is continually forced through the cell by a pump. Peristaltic and membrane pumps are examples of pumps that can be used to operate these cells.

### Fluorescence Cells for Discontinuous Flow

These cells are used for measurements which are interrupted during cyclical filling and emptying of the cell.

Various cell types are used depending on the method / pump used to fill the cell:

- Bi-directional peristaltic pump (cell models 175.050 and 176.050)
- Syringe, downstroke for filling, upstroke for emptying (cell models 175.050 and 176.050)

