



2.2.8 Temperature Controlled Cells

2.2.8 Temperature Controlled Cells macro | with stoppers made of PTFE

Temperature controlled cells are primarily used in clinical chemistry, where it is necessary to maintain a specific and constant temperature during the measurement of a sample.

In these cells the measuring chamber is surrounded by a thermal jacket. Due to the special conditions of heating all temperature controlled cells are supplied as quartz cells. The thermostat is connected by means of quartz tubes.

Cells in the 165 series are also suited for polarimetric measurements. If requested, we test the cells in a polarimeter and supply them with a corresponding certificate (see chapter 2.1.5 Spectral and Polarimetric Measurements).

| Catalogue Number | Window Material | Light Path mm | Outside Diameter mm | Inside Diameter mm | Outside Depth mm | Volume μ l | Number of Windows | Remarks |
|------------------|-----------------|---------------|---------------------|--------------------|------------------|----------------|-------------------|-----------------------|
| 165-QS | Quartz SUPRASIL | 0.01 | 22 | 9 | 30 | 100 | 2 | 2 stoppers |
| | | 0.1 | 22 | 9 | 30 | 100 | 2 | 2 stoppers |
| | | 0.5 | 22 | 9 | 30 | 140 | 2 | 2 stoppers |
| | | 1 | 22 | 9 | 30 | 160 | 2 | 2 stoppers |
| | | 10 | 22 | 10 | 12.5 | 800 | 2 | 1 port and stopper |
| | | 50 | 22 | 10 | 52.5 | 4000 | 2 | 2 ports with stoppers |
| | | 100 | 22 | 10 | 102.5 | 8000 | 2 | 2 ports with stoppers |

semi-micro | with stoppers made of PTFE

| Catalogue Number | Window Material | Light Path mm | Outside Dim. H x W x D mm | Aperture H x W mm | Volume μ l | Number of Windows | Remarks |
|------------------|-----------------|---------------|---------------------------|-------------------|----------------|-------------------|--|
| 160-QS | Quartz SUPRASIL | 10 | 48 x 12.5 x 12.5 | 36.5 x 4 | 1400 | 2 | horizontal in/outlet tubes to thermostat |
| 160.001-QS | Quartz SUPRASIL | 10 | 48 x 12.5 x 12.5 | 36.5 x 4 | 1400 | 2 | vertical in/outlet tubes to thermostat |

