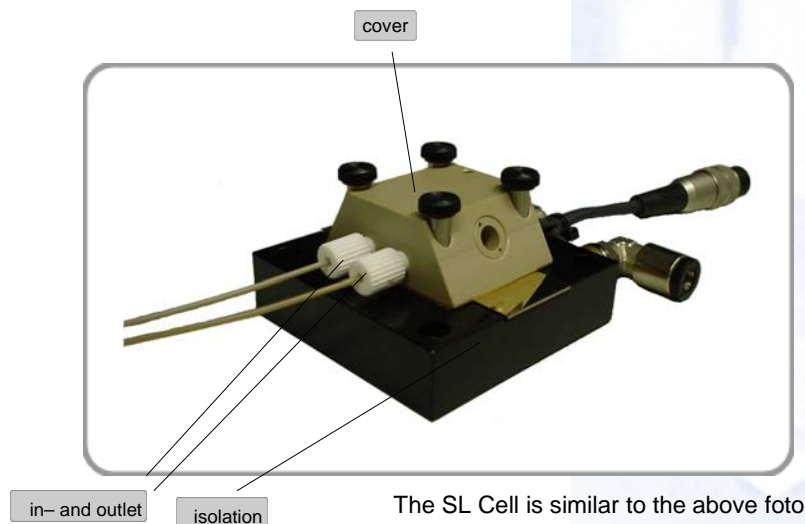


Solid liquid solution

Application

The solid liquid cell is especially designed for ellipsometric measurements on a non-transparent sample in liquid ambient.

The materials of this cell are suited for water based liquids like salt solutions, buffers etc.



Specifications

Cell

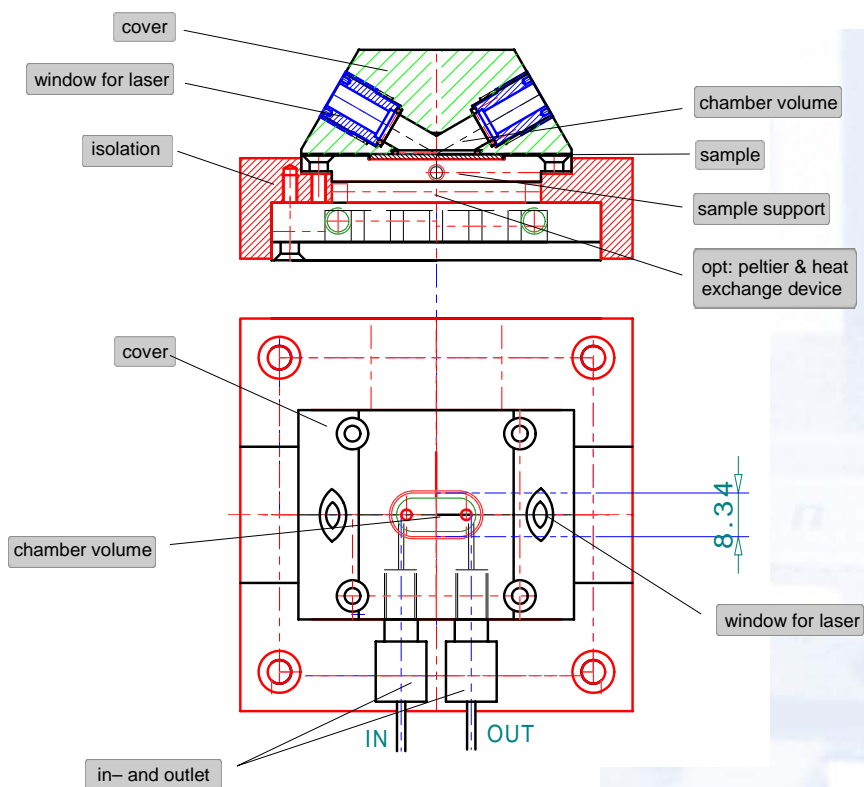
- sample dimensions: 15 x 22 x 1...10 mm³ to 26 x 76x 1...10 mm³
- observable area at 60° angle of incidence (10x-objective): 3,8 x 5,4 mm²
- liquid volume: 0.7 ml (plus volume for tubing > 0.1 ml)
- angle of Incidence range: 58° - 65° (recommended 60°)
- material with liquid contact: PEEK® cover, Teflon® tubing, Viton® O-rings, electrode material
- exchange of the internal volume: 1 min (at flow rate 1.0 ml/min)
- standard HPLC fittings (1/4"-28)
- O-rings, screws, cleaning equipment, syringes, suitcase, manual

Optional

Peltier temperatur control device

- peltier based temperature device for temperature adjustment from 5°C to 85°C. the temperature sensor and display including data-transfer to the EP³-View-software are included in this package.
(note: thermal noise might limit your sensitivity)

Solid liquid solution



Order information

Solid liquid cell

Options

- peltier temperature control device (note: later upgrade not possible!)