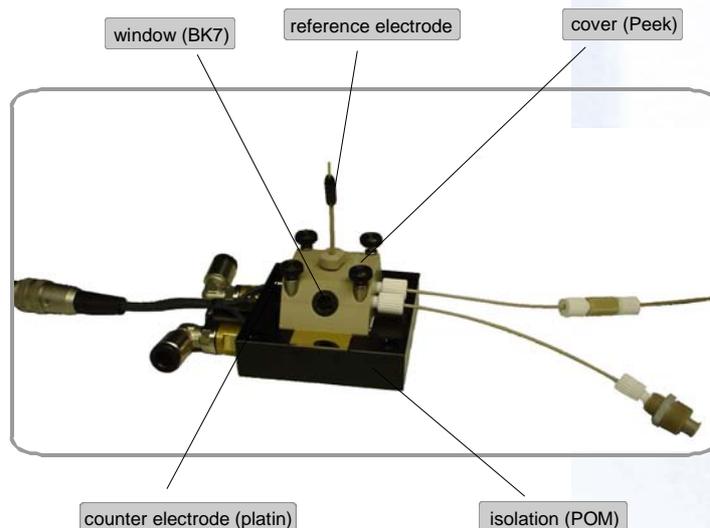


Electro chemical solid liquid cell

Application

The electro chemical solid liquid cell is especially designed for electro chemical measurements on a non-transparent sample in liquid ambient. The working electrode is on the sample surface.

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 76 x 1...10 mm³
- observable area at 60° angle of incidence (10x-objective): 38 x 54 mm²
- liquid volume: 0.4 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
- total exchange of the internal volume: 1 min (at flow rate 1.0 ml/min)
- standard HPLC fittings (1/4"-28)
- O-rings, screws, suitcase, manual

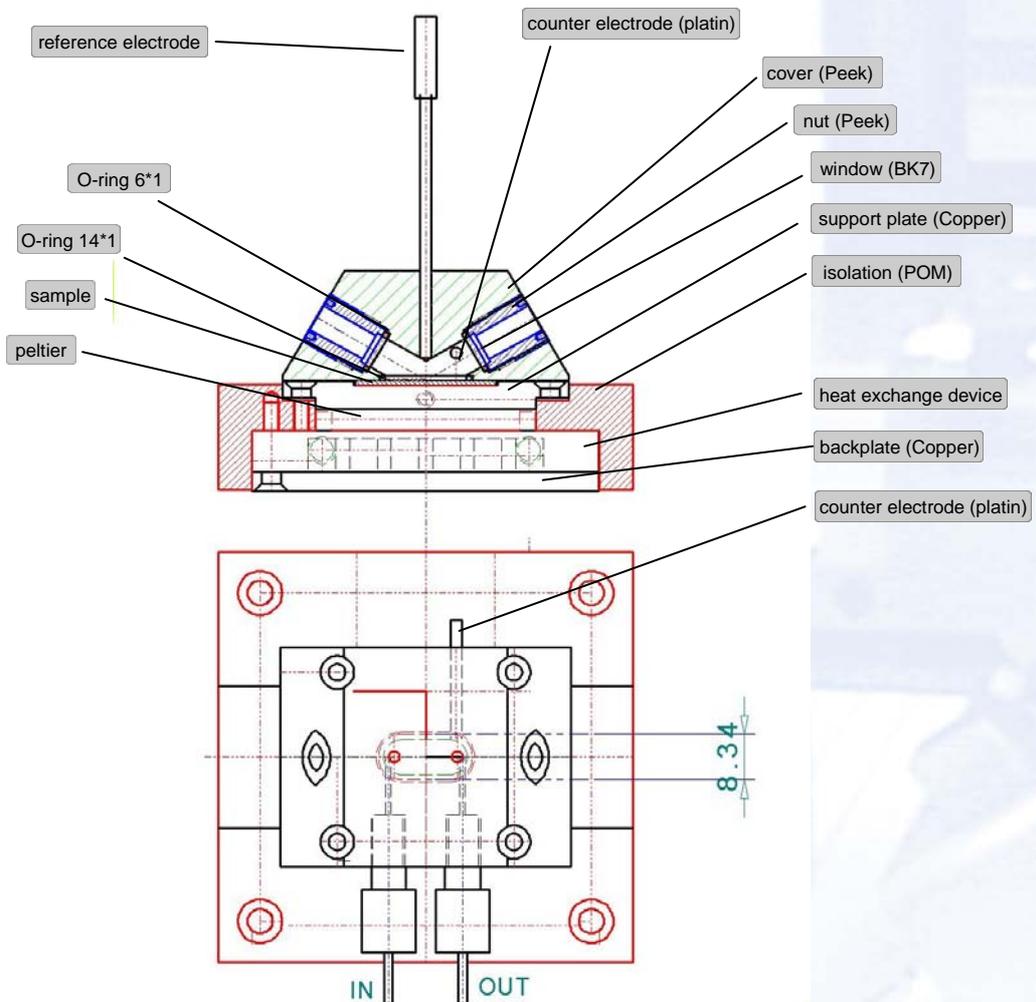
Temperature sensor

- PT100 temperature sensor close to the measuring chamber directly under the sample
- external temperature display including data-transfer to the EP³-View-software (optional)

Peltier temperature device (optional)

- peltier based temperature device for temperature adjustment from 5°C to 75°C.
the temperature sensor and display are included in this package.
(note: thermal noise might limit your sensitivity)

Electro chemical solid liquid cell



Order information

Solid liquid cell

Options

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