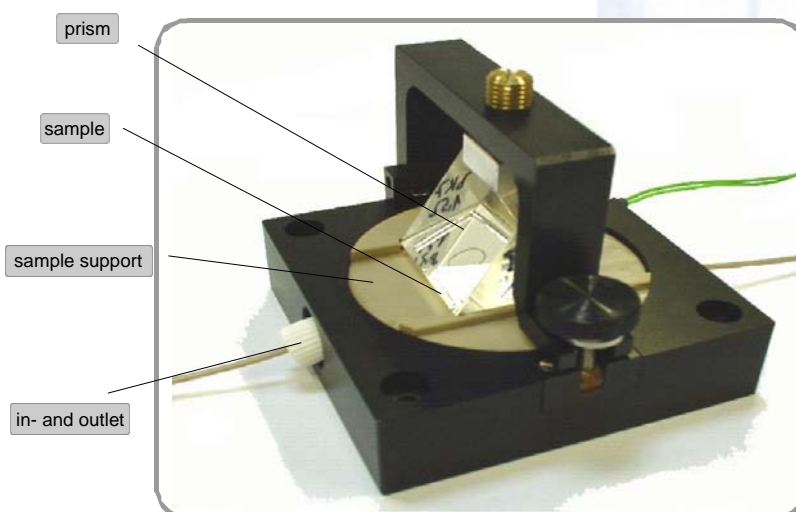


Kinetics / SPR cell

Application

The Kinetics / SPR cell is especially designed for kinetic measurements of organic material (e.g. proteins) on a transparent sample like glass-slides, OptiSlides or SPR-slides in liquid ambient. The materials of this cell are biocompatible and suited for water based liquids like salt solutions, buffers etc.



The SPR Cell is similar to the above foto

Specifications

Cell

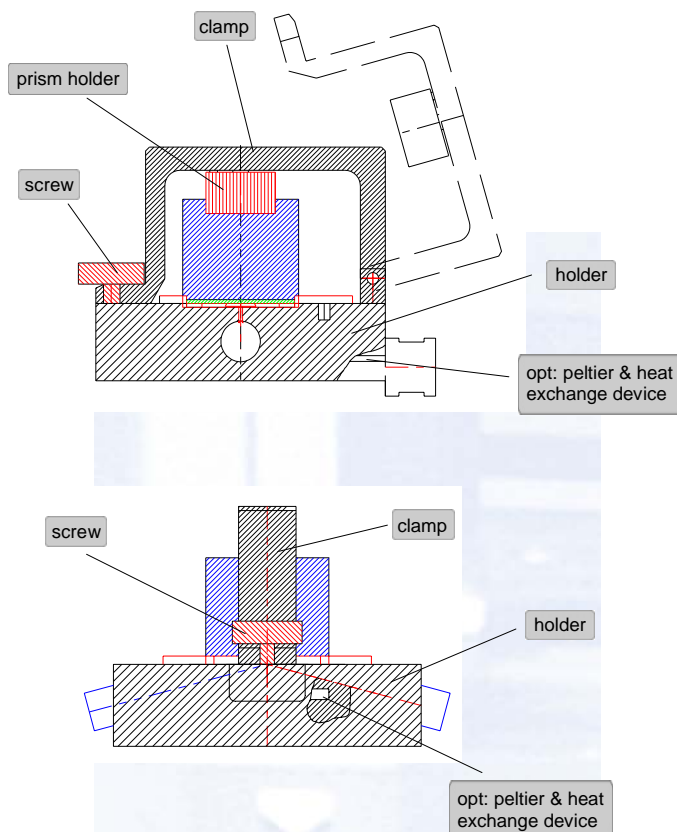
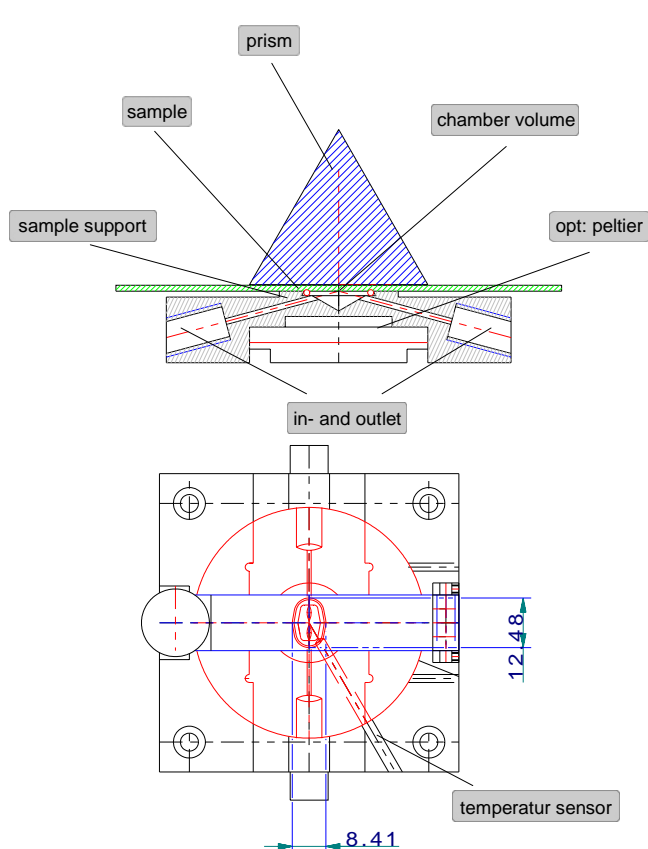
- sample dimensions: 15 x 22 x 1...10 mm³ to 26 x 76 x 1...10 mm³
- for OptiSlides or standard microscope slides
- volume: 0.1 ml + tubing (>0.1 ml minimum)
- observable area: 4 x 8 mm
- field of view: 2 x 3 mm (2x objective)
- material: PEEK[®] (cell and tubing) and Viton[®] for O-Rings
- exchange of the internal volume within 20 to 30 s (at a flow rate of 0.5 to 1.0 ml/min).
- standard HPLC fittings (1/4"-28)
- o-rings, screws, 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.

Kinetics / SPR cell



Prisms for the Kinetics / SPR cell (optional)

No.	Application	Angle [°]	Dimensions width x length (in mm)	Materials	Remarks
1.	Conventional glass slides (n=1.52)	45	25 x 35	BK7	needs index matching fluid (n=1.52)
2.	OptiSlides	60	30 x 30	BK7	needs index matching fluid (n=1.52)
3.	SPR-slides	60	30 x 30	SF10	needs index matching fluid (n=1.7)
4.	SPR on prism	60	30 x 30	SF10	no index matching necessary, gold coating on the prism

Order information

Kinetics / SPR cell for electrochemistry

- choose the appropriate prism

Kinetic / SPR solution

- Kinetics / SPR cell
- Kinetics AddOn
- 3 prisms
- 2x glass slides, 5x Optislides, 2x SPR slides

Options

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