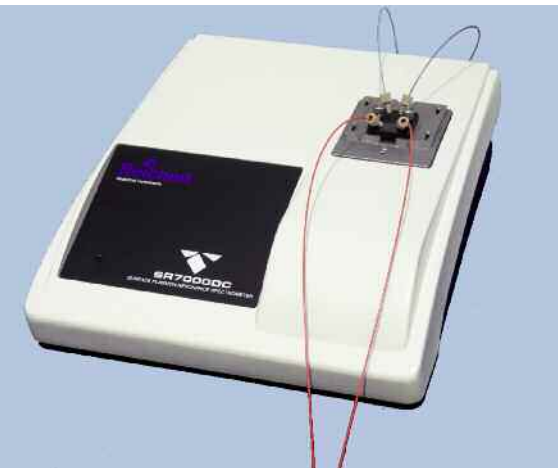


SPR BIOSENSOR SR7000DC

REAL-TIME, LABEL-FREE MONITORING OF MOLECULAR-LEVEL INTERACTIONS IN AN AFFORDABLE INSTRUMENT SYSTEM



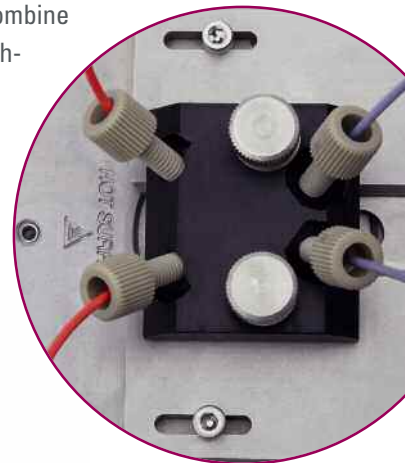
Introducing the most versatile SPR Instrument today: SR7000DC

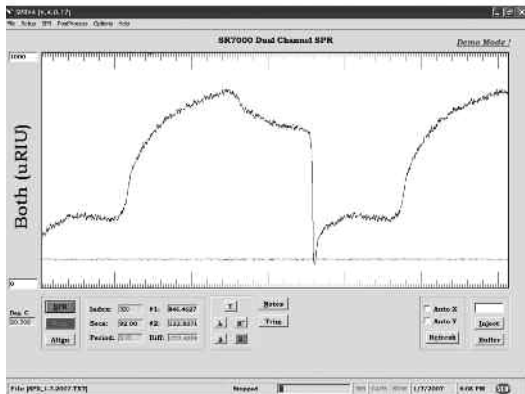
- **High quality kinetic data**
- **Optional Modules for E-SPR, photochemistry, MALDI coupling...**
- **Can be fully automated with optional autosampler**
- **Easy to set up and use**
- **Affordable: a fraction of other instruments, low maintenance cost**

SPR is a highly specific and sensitive technique for quantitative characterization of molecular interactions of any kind. Important biomolecular applications are drug discovery, antibody selection, ligand fishing, and bioprocess monitoring, to name but a few. Further, adsorption and desorption processes or reaction kinetics on surfaces can be monitored in real time.

With Reichert's SR7000DC, these fundamental data are easily accessible to labs of any size, as the system is affordable, compact and easy to configure or modify with off-the-shelf components. The instrument's sensitivity equals even the most high-end instruments, and it provides about three times the dynamic range. A wide selection of sensorchips and modules combine superior technology with complementary analytical techniques making the SR7000DC a truly flexible and versatile instrument.

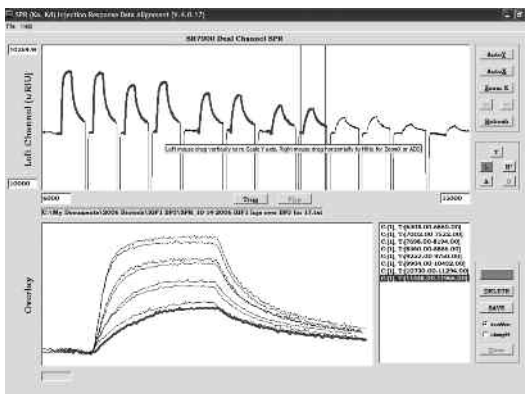
For cost-effective operation, the open design of the SR7000DC allows easy access to all serviceable components. Fast and efficient technical service and a competent support team help to accelerate your work and minimize downtime.





Key Features:

- Dual channel including real time referencing
- Full reflectivity curve downloadable
- Software is visual and user friendly
- Widest dynamic range: 1.32 – 1.6 (175.000 RU or 17.500 mdeg).
- Extremely sensitive: rms noise: < 0.18 μ RIU (0.11 RU or 0.01 mdeg).
- Excellent baseline stability: Maximum drift 0.6 μ RIU/hour (0.38 RU/h or 0.038 mdeg/h)
- Inert against solvents and concentrated acids / bases.
- Wide working temperature range: 5 – 90 °C
- Robust: No moving parts and virtually indestructible sapphire prism
- More than 50 different sensorchip surfaces
- Minimal assembly time - uses off-the-shelf HPLC fluidics
- Compact: Just 40 x 33 cm footprint.



Selected applications:

- Kinetics (on, off, equilibrium), relative affinity, sequence recognition
- Concentration determination
- Ligand fishing followed by MALDI characterization
- Drug discovery – detection of small molecules down to 100 Da
- Epitope screening and mapping
- Method/assay development
- Electro-SPR
- Surface chemistry and biomaterial assessment
- Photochemistry



The SR7000DC is designed and manufactured under quality processes meeting ISO 9001 requirements.

For detailed information or to arrange an instrument demonstration or a sample analysis, contact us:

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