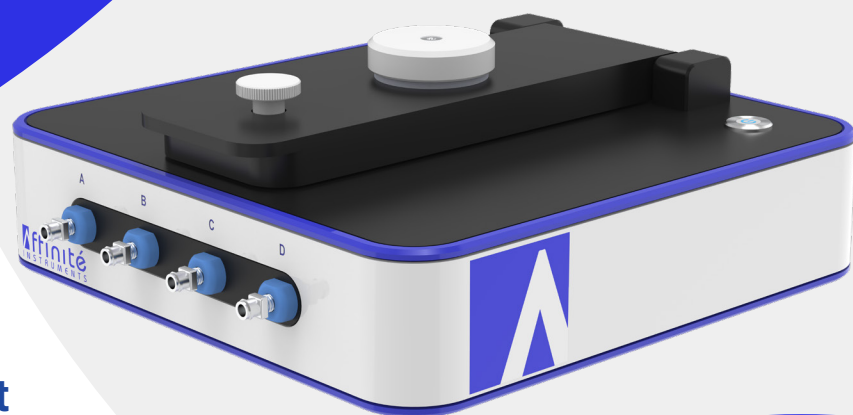
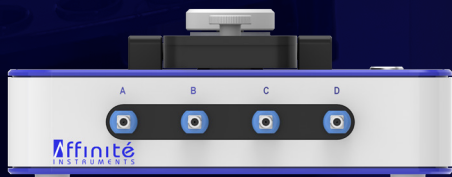


Reliable and intuitive SPR analysis with P4SPR 2.0




Experience the ultimate compact surface plasmon resonance (SPR) system :

This upgraded user-friendly 4-channel device offers highly specific and versatile detection capabilities for real-time measurements, without the need for detection labels. With its unique design, the device can offer quick binding test and assay conditions screening. What's more, it's cost-effective and simple to use, making it the perfect choice for researchers across various fields. And with a wide concentration range, the P4SPR 2.0 is suitable for a variety of applications, from clinical applications to environmental monitoring. Upgrade your research with the advanced capabilities of the P4SPR 2.0 today.

Contact Us

 www.affiniteinstruments.com

 info@affiniteinstruments.com



P4SPR 2.0 Features



Multi-four channel
capability



Fast assay
development



Ultra-compact
design



Manual sample
delivery



Laptop powered &
easy to use



Runs static
analyses

▶ Supported Assays



Affinity
characterization



Specificity
screening/ranking



Yes/no
binding



Live binding
data



Concentration
analysis

▶ Product Specifications

Specification	P4SPR 2.0
Weight	4.0 kg
Dimensions	25 x 25 x 6 cm
Mode	Static
Number of channels (Simultaneous reading)	4
Flow rate range	N/A
Injection volume required	150 μ L
Detection rate	1 or 5 Hz
Sample introduction mode	Manual injection
Run time per cycle	\leq 10 minutes
Operating temperature range	Ambient
Power requirement	PC/laptop powered
Performance	
Detection limit	fM (assay dependent)
Association rate (k_{on}) range	N/A
Dissociation rate (k_{off}) range	N/A
Affinity constant (KD) range	\geq pM

Applications

Biosensing

Real-time monitoring and characterization of biomolecular interactions

Drug Discovery

Leveraging molecular interactions to develop therapeutic compounds

Biomanufacturing

Optimizing bioproduction processes for better outcomes

Environmental Testing

Deciphering environmental health through chemical and molecular analysis

Bioanalytical Testing and More

Exploring transdisciplinary fields of bioanalysis

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