

Reliable 4-channel Flow-based Analysis with **P4PRO +**




Introducing the latest breakthrough in flow-based surface plasmon resonance (SPR) system :

This 4-channel device offers independent dual-channel loops and pumps, providing true reference subtraction for accurate results. With its ability to deliver real-time kinetics into biological pathways, this device is well-suited for a wide range of applications, offering a new level of precision and accuracy. Experience the future of flow analysis today with P4PRO+.

Contact Us

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P4PRO+ Features



Multi-four channel
capability



Direct, real-time,
inline controls



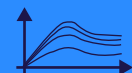
Minimal sample
processing data
artifacts



Semi-automated
sample delivery option

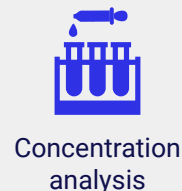
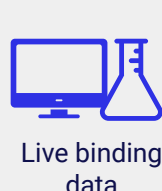


Minimal hands-on
time



Runs flow
analyses

▶ Supported Assays



▶ Product Specifications

Specification	P4PRO +
Weight	4.7 kg
Dimensions	25 cm x 25 cm x 13.5 cm
Mode	Flow
Number of channels (Simultaneous reading)	2 (Total of 4 channels)
Flow rate range	5 - 200 uL/min
Injection volume required	5 - 100 uL
Detection rate	1 or 5 Hz
Sample introduction mode	Semi-automated
Run time per cycle	2 - 15 minutes
Operating temperature range	Ambient
Power requirement	24V
Performance	
Detection limit	fM (assay dependent)
Association rate (kon) range	$10^3 - 10^7 \text{ M}^{-1} \text{ s}^{-1}$
Dissociation rate (koff) range	$10^5 - 10^{-1} \text{ s}^{-1}$
Affinity constant (KD) range	$\geq \text{pM}$

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

