

Not Your Average Benchtop SPR

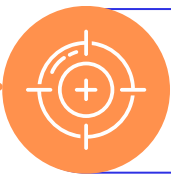
P4PRO & Affipump



What Is It?

P4PRO & Affipump is a powerful 4-channel benchtop device for studying how biomolecules interact. It helps scientists characterize binding affinity and kinetics quickly and accurately.

Why Use It?



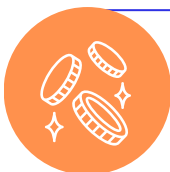
Precise Kinetics

High-precision pump ensures reliable data.



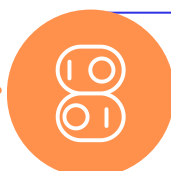
Saves Time

No booking, no waiting. Run test at your bench.



Affordable

Get high-quality information at benchtop SPR price.



Simple to operate

Intuitive software and kits to run assays in minutes.

Try it now! Request a demo



How P4PRO Helps You



1



Biophysical Characterization
On rate, off rate, affinity, specificity

2



Biosensing
Quantification in various sample media

3



Bioanalytical
Yes / No binding and concentration

Product Specifications

Specification	P4PRO and Affipump
Weight	4.7 kg and 2.5 kg
Dimensions	(25 cm x 25 cm x 13.5) cm and (20 cm x 9.5 cm x 27) cm
Mode	Flow
Number of channels (Simultaneous reading)	4 channels (2)
Flow rate range	1-200 uL/min (0.3 - 60,000 uL/min outside the P4PRO)
Injection volume required	50 - 150 uL
Detection rate	1 or 5 Hz
Sample introduction mode	Semi-automated
Run time per cycle	Min 30 sec
Operating temperature range	Ambient
Power requirement	24V

Perfect for:



Protein Research
Understand how proteins interact.



Drug Discovery
Develop better medicines.



Biosensing
Detect biological changes in real time.



Environmental Testing
Analyze chemicals in the environment.

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	$\geq \text{pM}$

Effortless simplify your workflow with user-friendly software and a large library of kits.



AVAILABLE KITS

- Amine coupling
- Demo test
- Starter test
- Streptavidin capture
- NTA
- DNA QC
- Mouse IgG capture
- Human IgG capture
- Immobilization screening
- Regeneration scouting
- Cleaning



ENHANCE YOUR RESEARCH TODAY!
Request a demo

