

# Real Time Label Free Detection Systems

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## Surface Plasmon Resonance Label Free Real Time Detection

BI-2000, BI-3000, BI-2000G, BI-3000G

### Applications

- Life science research (gene assays, DNA/DNA interactions, immunosensing)
- Electroanalytical applications (anodic stripping analyses)
- Drug discovery (DNA/protein and protein/protein interactions)
- Food quality and safety (detection of toxic molecules in the air)
- Environmental sciences (chemical analyses of air)
- Gas-and liquid-phase chemical sensors



### System Specification

Base station: built-in power supply with differential detection electronics.

Control system: precision data acquisition system, control/analysis software with a PC computer.

Two Channel SPR detection module: covering SPR angle range for measuring SPR shift in aqueous buffer solution.

Manual valve system for two channel fluid handling: the injection valve comes with a zero-dead-volume loop for small volume samples.

Precision Syringe pump: two channel programmable syringe pump for uniform continuous flow. Flow rates range from 2 nL/min to 8 mL/min, depending upon the syringe size.



SPRmicro detects the specific binding of bio-molecules without labeling by means of the refractive index change. KM-M01

Biomolecular interaction detection with label-free

2 channel microfluidics

High performance & Low cost

Real-time monitoring

Table top & handheld

Unique & Compact design

Ease of use due to user friendly interface



### Syringe Pumps

NA-SP1000: Syringe Pump SP1000

NA-SP2200 : Syringe Pump SP2200

NA-SP1600 : Syringe Pump SP1600

### Pressure Injection Cells

NA-PC77: PC77-MAG Pressure injection cell

NA-PC85: PC8500-MAG Pressure injection cell