2500 System Specifications

Base Station	Light source	Two low coherent light sources (670 nm)
	Detection speed	4 ms
	Incident angle ranges	40 - 47 Deg (gas) 67 - 81 Deg (liquid)
	Refractive index ranges	1.00 - 1.40
	Baseline noise	< 0.06 RU RMS (0.01 mDeg RMS)
	Baseline drift	1RU/hr (0.17 mDeg/hr) (when ambient drifts < 1°C/hr)
	Measurement ranges	Association rate constant ka: up to 10^8 $M^{-1}s^{-1}$ Dissociation rate constant kd: 10^{-6} to 1 s^{-1} KD: pM to mM
	Molecular weight cutoff	100 Da
	Temperate control	Range: +/- 5 degrees at room temperature Control accuracy: 0.01 °C
	PC interface	USB 3.0
	Data IO port	IO ports for sending and receiving raw signals with other equipment
	Outer dimension	355(w) x 215 (h) x 365 (d) mm
	Weight	8 kg
	Power supply	110-230 V 50/60 Hz
Fluid Handling	Sample channels	3 channels
	Flow cell material	PEEK (biologically compatible)
	Flow rate	1.0 to 150 µL/min (application dependent)
	Buffer handling	Dual syringes driven by programable infusion pump. Provides >8 hours of continuing operation.
	Sample injection volume	10 to 500 µL (application dependent)
	Sample injection methods	Manual
	Channel volume	< 32 nL
	Injection rise time	< 0.2 s
	Analysis module (standard)	3 channel Flow Injection Analysis Module
	Optional modules	EC SPR module for SPR measurement with electrochemistry
		EC-DualFlow™ for two channel flowthrough EC SPR measurement
		Gas SPR module for chemical vapor SPR measurement
Control System	Computer Software	Windows OS SPR Control software for real-time instrument control with programmable interaction assays for various application protocols. Data Analysis software for affinity and kinetics analysis.
Compliance		CE IQOQ certification

Product specifications and descriptions in this document are subject to change without notice.
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