

# Technical Data

Detection speed	4 ms
Incident angles	40 - 47 (gas) 67 - 81 Deg (liquid)
Baseline noise	< 0.06 RU RMS (0.01 mDeg RMS)
Baseline drift	1RU/hr (0.17 mDeg/hr) (when ambient drifts < 1°C/hr)
Number of sample flow channel	3 channels
Flow rate	1 to 250 $\mu$ L/min (application dependent)
Sample injection volume	>50 $\mu$ L (application dependent)
Sample injection method	manual
Kinetic constants	$k_a < 1 \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$ $k_d > 1 \times 10^{-6} \text{ s}^{-1}$
Affinity constant	$K_D = 10^{-3} \text{ (1 mM) to } 10^{-12} \text{ M (1 pM)}$
Molecular weight cutoff	100 Da