



M-100 SKi Pro™ System Specifications

General Specifications	
Detection Technology	Nanopore Optical Interferometry (NPOI)
Biosensor Type	PEG-coated, porous silicon
Available Surface Chemistries	Carboxyl, benzaldehyde, NTA, SA, PrA, PrG
Information Provided	koff screening, quantification, IC50
Analysis Time per Cycle	Typically 2 h/96-well plate
Automation	Robotic arm
Sample Type	Protein, nucleotide, small molecules, plasma
Buffer Composition	Aqueous buffers (pH 0-9), up to 5% DMSO
Sample Volume	50-120 µL/well
Sample Concentration	100 pg/mL to 5 mg/mL
Injection Volume	NA
Flow Rate	NA
Flow Cell Volume	NA
Flow Cell Dimension	NA
Sample Capacity	Up to 96 samples per cycle in single SBS well plate
Analysis Temperature	10° below ambient to 60° C
Sample Storage Temperature	NA
Buffer Capacity	NA
Reference subtraction	control well subtraction
Number of Flow Cells	0
Sample Plate	96 well, clear bottom plates
Working Range	
Association Rate (ka)	10 ³ -10 ⁷ M ⁻¹ sec ⁻¹
Dissociation Rate (kd)	0.1-10 ⁻⁶ sec ⁻¹
Molecular Mass Detection Limit	1000
Quantification	typically 0.1-100 µg/mL for antibodies
Baseline Noise (RMS)	< 0.05 nm
Baseline Drift	< 0.2 nm/h
Mass Spectrometer Integration	NA
Site Installation Requirements	
External Dimensions	22"x18"x22" (H x W x D)
Net Weight	40 lbs
Power Requirements	100-240 V ±10% 50-60 Hz
Ski Pro™ Power Consumption	1.5 A at 100 V AC (4.4 A max)
Autosampler Power Consumption	NA
Data Handling and Storage	
Operating System	Windows ≥ XP
Software	Ski Report™ Instrument Control & Data Analysis
Data Presentation	.BMP images, text export
Data Export Formats	.txt or clipboard
Regulatory Compliance	
Safety Standard	CE