



## X-10FC SKi Pro™ System Specifications

<b>General Specifications</b>	
Detection Technology	Nanopore Optical Interferometry (NPOI)
Biosensor Type	PEG-coated, porous silicon
Available Surface Chemistries	Carboxyl, benzaldehyde, NTA, SA, PrA, PrG
Information Provided	Time-resolved binding and dissociation
Analysis Time per Cycle	Typically 10 minutes (2 to 10,000 minutes)
Automation	Autosampler and scheduled injections
Sample Type	Protein, nucleotide, small molecules, plasma
Buffer Composition	Aqueous buffers (pH 0-9), up to 5% DMSO
Sample Volume	20-220 µL (typically 90 µL)
Sample Concentration	100 pg/mL to 5 mg/mL
Injection Volume	10 to 200 µL (typically 50 µL)
Flow Rate	1 to 200 µL/min
Flow Cell Volume	384 nL
Flow Cell Dimension	0.16x1x2.4 mm (H x W x D)
Sample Capacity	2 SBS Well Plates (12, 48 & 96 vial, 96 & 384 well)
Analysis Temperature	10° below ambient to 60° C
Sample Storage Temperature	4° C to ambient
Buffer Capacity	up to 5 buffers
Reference subtraction	parallel with on cartridge reference
Number of Flow Cells	2
Sample Plate	NA
<b>Working Range</b>	
Association Rate (ka)	10 <sup>3</sup> -10 <sup>7</sup> M <sup>-1</sup> sec <sup>-1</sup>
Dissociation Rate (kd)	0.1-10 <sup>-6</sup> sec <sup>-1</sup>
Molecular Mass Detection Limit	< 100
Quantification	typically 0.01-100 µg/mL for antibodies
Baseline Noise (RMS)	< 0.01 nm
Baseline Drift	< 0.2 nm/h
Mass Spectrometer Integration	Direct in-line, Ski Bridge™ or Fraction Collector
<b>Site Installation Requirements</b>	
External Dimensions	16"x36"x23" (H x W x D)
Net Weight	68 lbs (includes autosampler and buffer tray)
Power Requirements	100-240 V ±10% 50-60 Hz
Ski Pro™ Power Consumption	1.5 A at 100 V AC (3 A max)
Autosampler Power Consumption	2.0 A at 100 V AC (max)
<b>Data Handling and Storage</b>	
Operating System	Windows ≥ XP
Software	Ski Report™ Instrument Control & Data Analysis
Data Presentation	.BMP images, text export
Data Export Formats	.txt or clipboard
<b>Regulatory Compliance</b>	
Safety Standard	CE