

BioSoft™ IN-SITU INDENTER SYSTEM SPECIFICATIONS

Includes the following components:

Catalog	Product	Description	
5-2203	BioSoft™ Base System **100-120V 50/60Hz power **220-240V 50/60Hz power	<i>Includes The following:</i>	
	Hysitron BioSoft™ Transducer	Quantitative Measurement of Load and Displacement Up to 10mN Normal Force <ul style="list-style-type: none"> • Up to 150µm Normal Displacement Dual Mode Actuation and Measurement Capabilities <ul style="list-style-type: none"> ▪ Mode 1: Electrostatic Actuation, Capacitive Displacement Sensing ▪ Mode 2: Piezo Flexure Actuation, Electrostatic Force Sensing Hysitron Proprietary Capacitive Transducer Technology 750nN Force Noise Floor and 1nm Displacement Noise Floor in Typical Laboratory Environment Mounting Hardware to Inverted Microscope (microscope not included) Pre-Calibrated at the factory	
	BioMech™ Advanced Control Module	<ul style="list-style-type: none"> • Digital Signal Processor Control Architecture • USB 3.0 Connectivity • 48kHz feedback loop rate • Featuring Load- and Displacement-Control operable interchangeably in the same load function 	
	Hysitron BioScan™ Control Software V1.0	<ul style="list-style-type: none"> • Control Software for Hysitron BioSoft In Situ Indenter System • Multi User Level Software enables Streamlined Routine Testing to Advanced Multi-Parameter Experiments • Real-Time Viewing of Probe Force and Displacement Data • One Click Zeroing of Force and Displacement Channels Prior to Beginning a Test • Adjustable Proportional, Integral, and Adaptive Gains for Tuning Force and Displacement Feedback Control Loops • Fully Definable Segment-By-Segment Load Function Editor Streamlines Test Setup • Exportable raw data files simplify data import into customizable data plotting and analysis programs 	
	Computer configured for BioSoft™ In-Situ Indenter *Additional display monitor not inc.	<ul style="list-style-type: none"> • Small-footprint computer: Laptop • Operating system: Microsoft Windows • Controller connection: USB 	

	Carrying Case	<ul style="list-style-type: none"> • Durable, Watertight, and Airtight carrying case for transporting the BioSoft between laboratories • Rubber over-molded top and side handles with retractable pull extension handle and built-in wheels • Approximate Dimensions: 22.1" x 10.4" x 17.9" 	
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	On-site Installation & Basic Training	<ul style="list-style-type: none"> • System Installation & Training; Duration: 2 days • Verification of System Performance • Hardware & Software Training • Instrument Calibration • Training on testing your specific samples 	
	Tool Kit	<ul style="list-style-type: none"> • Torque limited tip mounting tool 	
	Probe	<ul style="list-style-type: none"> • TI-0305 Fluid cell 500µm diameter spherical sapphire probe 	
	12 Month Warranty	<ul style="list-style-type: none"> • On all Hardware and components of the BioSoft In Situ Indenter system • Excludes consumables, such as indenter probes 	
BioSoft™ In-Situ Indenter:			\$85,000

Available Probes
Additional probe options are available
on request

Item #	Description	Detail	Price
TI-0053	Berkovich, 142.3°, 100nm tip radius	Fluid cell tip	\$2,170
TI-0067	Conical .5-1.5µm, 90° cone angle	Fluid cell tip	\$2,850
TI-0204	Conical 10µm, 90° cone angle	Fluid cell tip	\$2,850
TI-0096	Conical 20µm, 90° cone angle	Fluid cell tip	\$2,850
TI-0091	Conical 50µm, 90° cone angle	Fluid cell tip	\$2,385
TI-0077	Conical 100µm, 90° cone angle	Fluid cell tip	\$2,385
TI-0157	Flat ended 20µm, 60° cone angle	Fluid cell tip, conical diamond probe with flat end	\$3,210
TI-0149	Flat ended 100µm, 90° cone angle	Fluid cell tip, conical diamond probe with flat end	\$3,210
TI-0228	Flat punch 500µm, Titanium	Fluid cell tip, cylindrical flat punch, titanium	\$2,300

Pricing Summary

BioSoft™ Configured System

Price..... \$85,000 USD