

# AELAB OIC-610 Ion Chromatograph

## Features:

	<ul style="list-style-type: none"> <li>• Simple cabinet design, beautiful and elegant appearance.</li> </ul>
	<ul style="list-style-type: none"> <li>• Built-in column compartment structure, independent temperature control system.</li> </ul>
	<ul style="list-style-type: none"> <li>• Full PEEK high pressure resistant twin plungers constant flow pump, maximum pressure 35MPa (5000psi), strong tolerance, flow is stable and accurate.</li> </ul>
	<ul style="list-style-type: none"> <li>• Full PEEK flow path, acid-resistant, alkali-resistant, organic solvent-resistant, high-pressure resistant, stable and no pollution.</li> </ul>
	<ul style="list-style-type: none"> <li>• The detection system is independent and closed, with built-in temperature compensation, resistant to external interference, and the balance is faster and more stable.</li> </ul>
	<ul style="list-style-type: none"> <li>• Elector-film continuous self-regeneration suppressor, liquid cutoff self-protection function, it suitable for gradient elution.</li> </ul>
	<ul style="list-style-type: none"> <li>• Full PEEK flow path, acid resistant, alkali resistant, organic solution resistant, stable and free pollution.</li> </ul>

## Technical Specifications:

Model		AELAB OIC-610
Appearance	Size	360mm*430mm*479mm ,streamlined box design, build-in column thermostat
	List	Double plunger high-pressure constant flow pump, imported mechanical six-way valve, build-in column thermostat, independent detector temperature control system, suppressor, dual-electrode conductivity deector, V1.0 control sytem(can be upgraded to V3.0 system)
Double Plunger Pump High Pressure Constant Flow Pump	Pump Pressure Resistance	≥35Mpa (5000psi)
	Flow Range	0.001—9.999ml/min
	Flow Accuracy	≤0.1%
	Relative Standard Deviation	RSD≤0.01%
	Material	Quartz plunger rod , high-pressure sealing ring , Peek pump head, acid-resistant, alkali-resistant, organic solvent-resistant, high-pressure resistant, good sealing and long life.
	Over limit alarm self-protection	When the system pressure exceeds the set value, it will buzz and alarm and automatically stop running.
Column Compartment	Structure	Build-in sealed column compartment,independent heating and temperature control system
	Temperature Control Range	Indoor temperature—80℃
	Temperature Control Accuracy	±0.1℃



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Detector	Type	Dual-electrode conductivity deector, sensitive response, independent temperature control system.
	Temperature Control Range	Indoor temperature—60℃
	Temperature Control Accuracy	±0.1 ℃
	Baseline Noise	≤0.5%FS
	Baseline Drift	≤15.0%FS/30min
	Minimun Detection concentration	CL-≤0.001μg/ml Li+≤0.0005μg/ml
	Qualitative Repeatability	≤0.5%
	Quantitative Repeatability	≤2.0%
Supressor	Regeneration Mode	The electrofilm self-regenerates, eliminating the need to replace inhibitory glue and adding acid, easy to use, and quick to balance
	Inhibitory Capacity	≥100μeq , high inhibition efficiency and can be used for gradient elution.
	Volume	≤80μL, higher sensitivity and faster response.
	Compatibility	The anion suppressor is compatible with hydroxide system and carbonate and bicarbonate system. The cation suppressor is compatible with methanesulfonic acid system, nitric acid system, oxalic acid system,etc.
	Power Supply	AC 220±20V, power 75W
New Control System	Modular Design	Data acquision and processing module, equipment control module
	Communication	RS232 communication, parameter self-storage and reading, real-time data collection and transmission.
	One-click Connection	One-click automatic connection, all modules controlled at the same time.
	One-click On/Off	Abandon the cumbersome manual steps of turn-on/off the machine, one-click turn-on/off the machine.
	Timed Turn-off	Set the off time. After the team is reached, the devices can automatically start the shutdown process.

Sampler	Structure	Opention
	Sample Method	
	Sample Volume	
	Needle Wash Method	
	Sample Capacity	
	Method Parameter	
	Injection Valve	