



WHAT HAPPENS  
**INSIDE** MAKES IT  
SAFE **OUTSIDE**

**THERMO SCIENTIFIC**  
**DIONEX INTEGRION HPLC SYSTEM**  
WHAT'S INSIDE MATTERS

**Thermo**  
SCIENTIFIC







# MADE TO SUPPORT THE IMPORTANT ROLE YOU PLAY AS A HERO WORKING BEHIND THE SCENES

Sometimes it's the people we don't see who have the biggest impact on our day to day lives. As consumers, we take for granted that there is a whole team of scientists constantly working in the background to help keep us safe. You are part of that team. The routine IC applications you run give us the peace of mind to use everyday resources like water, food and beverages, biofuels and pharmaceuticals without a second thought.

Nothing supports you more in this role than the laboratory instruments you use on a daily basis. More than anything, you need your instruments to be a partner you can rely on. Not only do they need to produce results when you need them, but those results need to be accurate and reproducible from day to day, operator to operator. The Thermo Scientific™ Dionex™ Integrion™ HPIC™ system was designed to be that partner. With easy to install fittings, a logical, flow-based plumbing layout and whole-system smart monitoring, it is a reliable IC instrument intuitively designed and thoughtfully developed around the workflow challenges of your laboratory.



# A DESIGN THAT SEAMLESSLY BLEND'S INTO YOUR LAB

Your laboratory ecosystem is different from all others. It consists of its own unique web of interactions between your laboratory team and the instruments they use. At its best, everything is in sync. Thoughtfully designed instruments accelerate your stream of results while blending seamlessly into your laboratory.

The Dionex Integriion IC system is made to support you. It was designed to fit with the flow of your laboratory so that it quickly falls in sync with your processes.

## FEATURES

### Simplified plumbing layout

Layout based on logical flow-path for easy component access

### Integrated architecture

Compact platform with a small physical footprint

### 1 Detachable tablet

Flexible access to IC controls



# KEEP YOUR LAB FLOWING TOWARDS A FOCUSED MISSION

In order to meet today's demands, you need to be able to analyze a large number of samples quickly and accurately. To do that, you need an IC instrument with high throughput capability, and when the unexpected does happen, you need an instrument that quickly recovers from setbacks.

To meet your real-world IC analysis challenges, the Dionex Integrion IC system is always ready for action, keeping your lab continuously flowing towards its mission. In addition to boosting throughput with a high-pressure capable system, the Dionex Integrion IC system is equipped with whole-system monitoring, allowing you to focus on results without interruption.

## FEATURES

- 1 Consumables Device Monitor**  
Prevents consumable installation errors and mismatches by automatically logging consumable use and performance
- Consumables Smart Monitor**  
Tracks system and consumable performance and stores data in a secure cloud server, which aids preventative maintenance and helps minimize system downtime
- Thermo Scientific™ Dionex™ Chromeleon™ Chromatography Data System (CDS) Software**  
The natural complement to your IC system is a software platform that streamlines your path from samples to results quickly and easily, boosting your overall lab productivity





### Automated eluent generation

Eliminate human errors associated with manual eluent preparation and improve method reproducibility from operator to operator and lab to lab

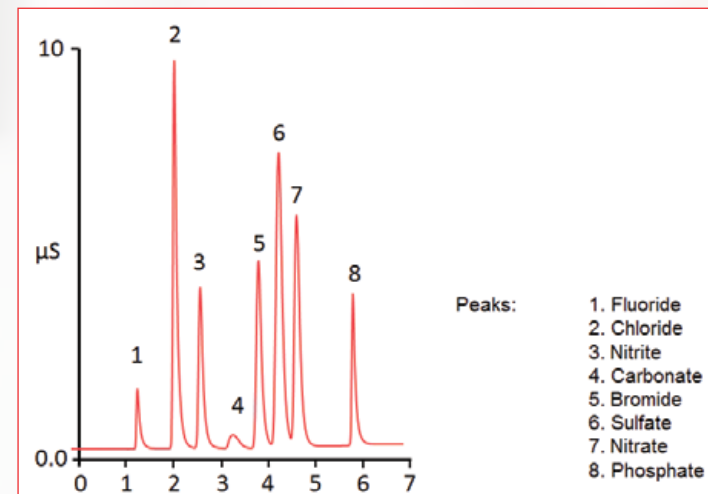
### 2 HPIC capability

Faster flow rates with no loss of resolution

	Part Number	Name	Serial Number
✓ Approve			
GUARD	83225	Dionex IonPac AG19-4µm (2mm)	151029003
TRAP	59660	Dionex ATC-3 (4 mm) Anion	151028024
SEPARATOR	83223	Dionex IonPac AS19-4µm (2mm)	151029002
CONDENSATOR	63079	Dionex IonPac UTAC-LP1	151028023

### 1 Consumables Device Monitor

The Consumables Device Monitor takes the guesswork out of manual monitoring of consumables by providing positive identification of a consumable's performance metrics. In addition to performance metrics, it records a consumable's installation date and when it is decommissioned. It also alerts the operator when consumables are mismatched in a system.



### 2 Eight anions separated with great resolution in six minutes

With full support for HPIC consumables, the Dionex Integrion IC system can increase the throughput of your laboratory without sacrificing quality.



# AN IC INSTRUMENT THAT QUICKLY FEELS LIKE AN OLD FRIEND

As lab professionals, you spend a large amount of time interacting with laboratory instruments. You get to know what makes each one tick. You have to because your laboratory instruments are more than tools or resources, more than an extension of yourself; you are partners working together towards the same goal.

The more you understand your IC instrument, the quicker you can diagnose issues and solve problems. This is why the Dionex Integriion IC system was made to be an instrument that you can quickly get to know. The entire user interface is intuitive to navigate, even if you are new to ion chromatography.





## FEATURES

- 1 Intuitive user interface**  
Clearly presented control of IC instruments with extensible software for additional troubleshooting, installation and application support
- 2 Local language support**  
IC controls that speak your language
- 3 IC PEEK Viper Fittings**  
Simple to install fittings that have low dead volume and require no extra training or tools

# SCIENCE THAT IS CONSISTENTLY REWARDING

Consistent results are rewarding results. Especially in the laboratory environment, where consistency is what transforms the world from one of doubt into one of certainty. Nothing determines the consistency of your ion analysis results more than the IC instrument used to produce them.

With increased control over environmental parameters, the Dionex Integrion IC system provides stability and control for variables that might affect the quality and consistency of your outcomes. It also gives you greater flexibility to choose the right detector or column format for the applications you need to run. The result is a more sensitive instrument that you can rely on to produce accurate results from day to day and operator to operator.

## FEATURES

### Thermal stability

Detector compartment provides a thermally regulated environment for reproducible, sensitive detection

### Precise temperature control

Forced-air column oven regulates temperature from 5 degrees Celsius above ambient to 80 degrees Celsius

### Flexible detector options

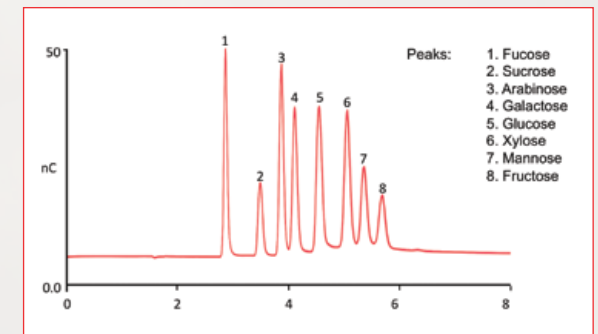
Choice of high-performance conductivity or amperometric detection

### Automated eluent generation

Better performance and increased method reproducibility by eliminating error-prone, manual eluent preparation

### Wide range of column support

Choose the column sizes you need for your applications, including smaller-particle-size 4  $\mu\text{m}$  columns that provide faster run times and better resolution



### Consistently rewarding results

The Dionex Integrion IC system brings consistent results to all your applications. In this case, 100 injections of a simple sugar are highly reproducible.





# AN INSTRUMENT WORTH GETTING TO KNOW

Each piece of technology you bring into your laboratory is an important investment. You expect to build a long-term relationship with your technology, and the strength of that relationship will determine the reputation of your laboratory going forward. You need an instrument that you can rely on to meet your needs today that will also adapt to your needs in the future.

In a fluid market with changing demands, the Dionex Integrion IC system offers a wide range of upgradable components, so it can grow with your needs over time.

## UPGRADABLE FEATURES

Electrolytic sample preparation

Electrolytic water purification

- 1 Auxiliary valves
- 2 Low pressure degas
- 3 RFID consumables tracking
- 4 Eluent generation
- 5 Front panel control
- 6 Detectors  
Switch between conductivity (CD) and electrochemical (ED) detectors or remove internal detectors and connect to an external one





# CHOOSE THE RIGHT PARTNER TO WORK TOWARDS A COMMON GOAL

Your IC instrument is an integral part of your laboratory. Whether you operate a private specialty lab or are a top researcher at a world-renowned academic institute, you rely on the instruments you use to validate your expertise and support you in your mission to create a healthier, cleaner and safer world.

Each model and configuration in the Dionex Integrion IC system family is designed to be a reliable, easy-to-use addition to your laboratory's operations. With two different models to choose from and a wide range of configurations, you won't have any problem finding the right partner to work towards your goal.







Model	<b>Integriion</b>	<b>Integriion RFIC</b>
Detector	Conductivity (if required)	Conductivity or electrochemical
Column oven	No	Yes
Thermally-controlled compartment	No	Yes
Consumables device monitor	Yes, electrolytic devices only	Yes
Consumables smart monitor	Yes	Yes
Eluent generation	No	Yes
Mobile control	Optional	Yes



We support and recognize you and your mission to ensure that the world is healthier, cleaner and safer in everything we do. This is why, since 1975, we have dedicated ourselves to the development and innovation of IC technologies including instruments, separation chemistry and software. We also understand that when you purchase an IC, you are purchasing a relationship as well. We strive to support both the mental and physical flow of your laboratory by sharing what we've learned as an industry leader, acting as trusted advisors and providing the ahead-of-time service and support you need to keep your laboratory in flow.



## DIONEX INTEGRION HPLC SYSTEM WHAT'S INSIDE MATTERS

[www.thermoscientific.com/chromatography](http://www.thermoscientific.com/chromatography)

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