

HUMAN HEALTH

ENVIRONMENTAL HEALTH

IDENTIFICATION QUANTITATION TECHNOVATION



AxION iQT GC/MS/MS Superior Full Scan Quantitation with the Confidence of Exact Mass Measurement

The new AxION® iQT™ GC/MS/MS gives you better quantitation performance than traditional triple quads, plus the compound identification capabilities of a QTOF. One instrument, one revolutionary technology, one great price.

Compatible with leading gas chromatographs, the AxION iQT is a self-optimizing and self-diagnosing system engineered around a series of smart modules that automatically synchronize. Each module can be quickly and easily accessed for rapid maintenance and maximum uptime.

Measure up to 500 compounds per second with unrivaled speed, up to 50x faster than any other GC/MS on the market. Detect "all the fragments all the time" for superior specificity and complete confidence in your results. Controlling this "technovation" is an easy-to-use, application-centric software that simplifies workflows for more consistent and confident results.



Out-of-the-box thinking.
Out-of-this-world results.

AxION iQT GC/MS/MS

THE TECHNOVATION THAT WILL CHANGE THE WAY

Q2 (Argon Collision Cell)

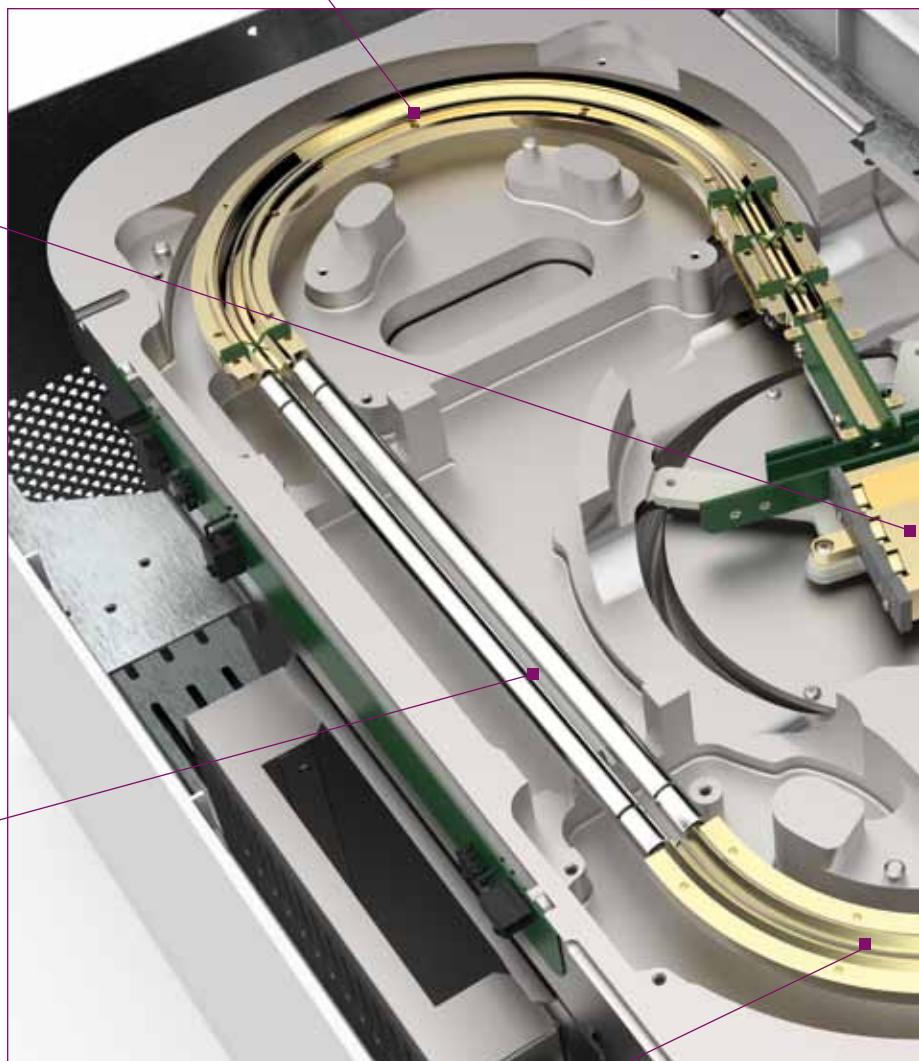
Decreases chemical noise resulting in improved signal-to-noise and the ability to look at trace levels in dirty matrices.

Revolutionary Ion Pulsar/ Electron Multiplier Detector

Features patented technology enabling rapid and efficient ion transmission providing the best quantitative dynamic range and low level sensitivity needed for most complex matrices.

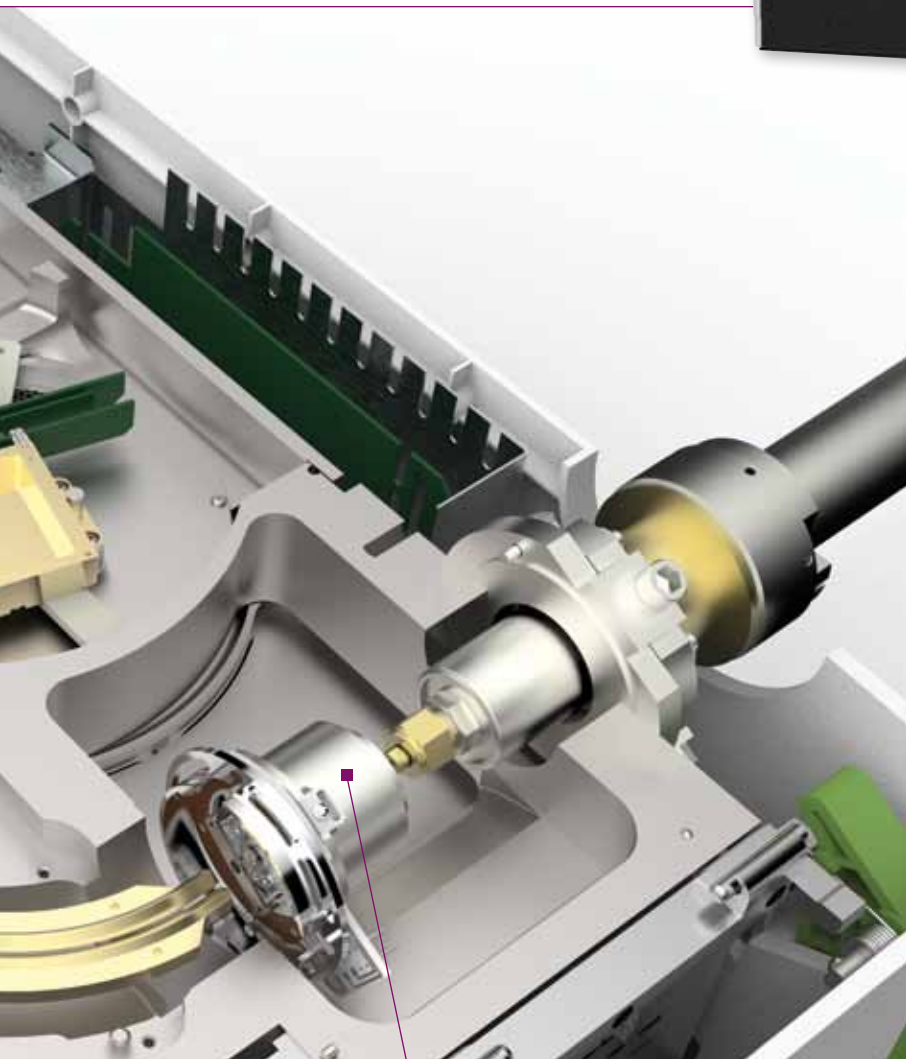
Q1 (Mass Filter with Pre and Post Ion Guides)

Allows for higher ion transmission efficiencies and targeted mass selection of parent ions of interest.



Q0 (90-Degree Turn)

Reduces background noise by minimizing neutral and metastable ions; enhances sensitivity.



HIGHLIGHTS

Flexible Sample Introduction Options—

Compatible with a wide array of GCs including the PerkinElmer® Clarus® 580/680 and Agilent® 6890/7890.

Cold EI Source—Generates a true molecular ion for accurate compound identification and optimal quantitation. Facilitates the analysis of a broader spectrum of compound classes.

Up to 1,000,000 u/sec Scan Speed—Analyzes up to 500 compounds per second.

10⁸ Linear Dynamic Range—Allows you to quantitate compounds at both high and low concentrations in a single run; no need to dilute samples or perform multiple injections.

Space-Saving Design (400 mm x 700 mm)—Delivers the capabilities of two separate analytical instruments in a single, compact system with minimal special laboratory setup requirements.

Self-Registering, Auto-Synchronizing Smart Modules—Optimize instrument performance and simplify maintenance for enhanced uptime.

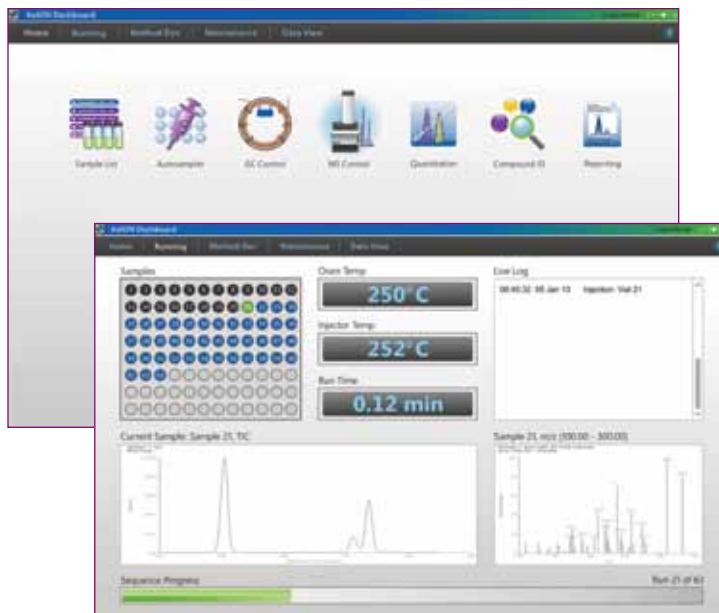
Broad Array of User-Interchangeable Ion Sources (Dual-Filament EI, CI, or Novel Cold EI)

Allows the system to be tailored to any type of sample for greater application flexibility.

Easily Operated with the World's First Application-Centric Software

A first for mass spectrometers, AxION iQT software is an application-centric interface that offers the easiest operation of any MS system available. Users can automatically generate fast, accurate results including everything from method development to sample analysis (using the optional AxION Sample Manager). Method development that used to take days can now be done in a matter of seconds by simply entering a compound name into the AxION iQT method builder.

Flexible and easy to use, AxION iQT software integrates with PerkinElmer and Agilent GC instruments for complete and seamless control of the entire system. It delivers fast start-up times with automatic Autotune, Autocalibrate and Autocentroid (A³) features, and generates results with small data file sizes for added speed to preserve space on your hard drive.



A REVOLUTIONARY DETECTION CONCEPT FROM THE WORLD LEADER IN MASS SPEC



Flexar SQ 300 MS™—Measuring has Never Been Easier

A high performance single quadrupole detector that brings a new level of specificity to liquid chromatography applications. Offers exceptional sensitivity, excellent scan speed and long-term reliability for a variety of applications including QA/QC, synthesis troubleshooting, and quantitative analysis.



AxION® 2 TOF MS—Exact Quantitation, Confident Results

A time-of-flight mass spectrometer that delivers a superb combination of mass accuracy, dynamic range, speed and sensitivity to optimize performance no matter what your application or sample matrix. Accurate and sensitive, the instrument empowers you to quantify with complete confidence across the entire mass range.



AxION® DSA™—Mass Spec Results in Seconds

A unique ambient source “technovation”, Direct Sample Analysis technology enables you to obtain exact mass data on virtually any sample—liquid, solid or gas—instantly. No necessary up-front chromatographic separation. No complicated method development. No time-consuming sample preparation. The fastest screening technology for mass spectrometry available.

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