Thermo Fisher Unveils New High-Pressure Ion Chromatography System

Now scientists in environmental, food safety, pharmaceutical and industrial/petrochemical laboratories can rely on a new flexible and configurable high-pressure ion chromatography system designed to deliver enhanced performance, productivity and efficiency.

The Thermo Scientific Dionex Integrion High-Pressure Ion Chromatography (HPIC) system is intuitive and easy-to-use, and capable of addressing challenging laboratory workflows. This is the fist new IC system from Thermo Fisher Scientific since it bought Dionex Corp. in 2011.

The HPIC system delivers features previously available only on high-end systems, including high-pressure capability and optional electrochemical detection. With a simple, logical, flow-based plumbing layout and integrated performance features, including whole-system smart monitoring, the HPIC offers fast run times in a robust and reliable system. Additional features include:

- Easy-to-install IC PEEK Viper Fittings that enable easy operation and minimize peak dispersion and band broadening—ultimately improving chromatographic resolution.
- Detachable tablet with local language support that allows the flexibility to access IC controls even while away from the instrument.
- Consumables device monitor that regulates installation errors by logging and tracking both system and consumable performance—storing data in a secure, cloud server that improves preventative maintenance and maximizes uptime.
- Thermally regulated detector compartment that provides extended life to consumables.
- Thermo Scientific Dionex Chromeleon Chromatography Data System (CDS) software to streamline workflow from samples to results quickly and easily.
- Automated Eluent Generation

Also new to the portfolio is the Dionex Aquion IC system, which brings reliability in a compact platform and the simplified operation needed for routine IC analysis. Based on the company’s ICS-1100 platform, the system features electrolytic suppression for consistent performance and ease-of-use, an optional column heater for improved reproducibility and an optional vacuum degasser for improved baseline stability.