

Agilent ICP-MS 7700X

Powerful ICP-MS workhorse for most standard routine and high-matrix applications

The 7700x is configured for routine analysis of high matrix samples, and includes HMI, pre-set plasma conditions and He mode ORS3 as standard.

With its high-temperature plasma (low oxides), matrix tolerant interface, and 9 orders dynamic range, the 7700x provides the analytical performance required in busy routine laboratories, but also retains the hardware and software flexibility to handle more advanced research applications.

Many of the features expected of the highest specification ICP-MS systems are standard on the 7700x, making it suitable for most challenging analytical tasks. A range of options and accessories is available to further customize the 7700x for advanced applications, such as discrete sampling; chromatographic coupling; and analyzing organic solvents, highly corrosive acids, and more.

The 7700 Series provides many user-friendly features that reduce training costs and improve productivity:

- Reproducible operation from day to day and instrument to instrument, using one-click pre-set plasma conditions
- Consistent, reliable operation with Expert Auto Tuning- the fastest, most effective system optimization program ever developed for ICP-MS
- One-touch access to the interface area, plus easier sampling cone removal/refitting during routine maintenance
- Powerful new MassHunter software platform for enhanced data analysis and reporting



This 7700X is built for high sample capacity and a healthy return on your investment. The 7700 is manufactured at an ISO 9001 and ISO 14001 facility and features:

- Rugged stainless steel chassis and outer panels
- Extensive shock, vibration, temperature and humidity testing at the production prototype stage to ensure optimum performance, even under extreme conditions
- Auto-recover – saves time by safely returning the 7700 to Standby state when power is restored following a power cut
- Predictive Maintenance software to minimize unplanned downtime
- Advanced error reporting and system diagnostic tools that simplify troubleshooting
- A modular design for shorter repair times

Agilent Integrated Sample Introduction System Discrete Sampling (ISIS-DS).

Delivers reduced matrix loading and improved productivity in high-throughput laboratories, with USEPA compliant triplicate analysis of 30 elements or more in 75 seconds, sample to sample.



source: Agilent 7700 Series ICP-MS Extraordinary design. Unparalleled performance.