

Thermo TSQ Endura LC Mass Spectrometer



OVERVIEW

From forensic toxicology to environmental analysis to pharmaceutical research, a constant in almost every field is the need for greater productivity; to quantify more samples in less time with greater reliability and confidence, and to do it all on ever tighter budgets. The Thermo Scientific™ Endura™ Triple Quadrupole Mass Spectrometer meets these needs with unsurpassed value. It delivers best-in-class sensitivity run after run and day after day regardless of sample type or matrix, and does so with an ease-of-use that takes the worry out of method development and operation.

FEATURES

- Ion optics—RF-Lens, ion beam guide with neutral blocker and quadrupole mass filter -- combine to reduce noise and increase sensitivity for enhanced quantitative performance
- Ultrafast selected-reaction monitoring (SRM) of 500 SRM/s, with up to 30,000 definable SRMs, enables quantification of more compounds in less time
- Five order of dynamic range increases quantitative confidence
- Intuitive drag-and-drop method editor software with application templates

simplifies method development and operation

- Thermo Scientific™ EASY-Max NG™ ion source reduces noise, simplifies operation, and improves reliability
- Optional Thermo Scientific™ Ion Max NG™, EASY-Spray NG™ and Nanospray Flex NG™ ion sources provide flexibility
- Thermo Scientific™ TraceFinder™ software provides an extensive database of SRM parameters as well as a set of preconfigured, but customizable, report templates for environmental, food safety, clinical research, and forensic toxicology applications
- Thermo Scientific™ LCQUAN™ software is a 21 CFR Part 11-compliant solution for method development, data review, processing, reporting, and data export in drug discovery and development experiments

SPECIFICATIONS

- Mass Range 10 to 3400
- Three 230 Vac $\pm 10\%$, 50/60 Hz at 16 A min.
- Four 120 Vac $+6-10\%$, 50/60 Hz at 20 A or four 230 Vac $\pm 10\%$, 50/60 Hz at 13 A
- Collision gas: 99.995% pure argon at 135 ± 70 kPa (20 ± 10 psig)
- Sheath/aux/sweep gas: 99% pure nitrogen at 690 ± 140 kPa (100 ± 20 psig)
- Max. sheath gas consumption: ≈ 20 L/min
- Functional temperature range: $15-27^\circ\text{C}$
- Optimal temperature range: $18-21^\circ\text{C}$
- Heat output: 1550 W (5400 Btu/h)
- Total heat output: 4420 W (15,380 Btu/h)
- Particulate matter: $<3,500,000$ particles per cubic meter of air
- Relative humidity: 20% to 80%, without condensation
- TSQ Endura MS1: h 680 x w 760 x d 840 mm
- Oerlikon® SV 65 forepump: h 270 x w 320 x d 489 mm
- TSQ Endura MS: 125 kg (275 lb)
- Oerlikon® SV 65 forepump: 52 kg (115 lb)

Contact Us for More Information:

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