



Atomic Absorption Spectrometers S Series Atomic Absorption Systems



The S Series of spectrometers offer no-compromise, single atomiser, multi-element AA systems, all in a footprint of less than 0.35 sq. m. A new Ebert optical system covers the range 185 nm to 760 nm as standard, with an optional wide range PMT up to 900 nm, and sets new levels of performance. The standard 6 lamp auto-aligning turret (using data-coded or uncoded lamps, each with its own power supply) and Stockdale double beam system combine to produce excellent results. QuadLine deuterium background correction is standard on all units.

Universal 50 mm titanium burner supports all flame types and has high solids handling, excellent flame stability and low carbon build-up. Optional 100 mm air/acetylene-only burner also available. Auto-optimising software control of burner height adjustment. Standard inert fluoroplastic spray chamber, with adjustable impact bead, and inert nebuliser provide unmatched sensitivity. Automatic binary flow gas management in the S4 model (or the semi-automatic version in the S2) guarantees reproducibility and safety.

Feature-packed Windows 98/2000/XP-compatible SOLAAR software control offers multiple wizards to optimise system parameters and control analyses.

Optional LCD Local Control is available. Full range of optional accessories provide an optimal solution to a wide range of analysis types, including flame autosamplers, graphite furnace and vapour analyses.



M Series Atomic Absorption Systems

The M Series of spectrometers offer ergonomically designed, dual atomiser, multi-element AA systems with a footprint of less than 0.5 sq. m. Employing a unique Echelle optical system to cover the range 180 nm to 900 nm (with wide range PMT option), it sets a new standard of performance. Pre-aligned flame (left hand compartment) and furnace atomisers (right hand compartment) can be selected purely by software means, so that automated changeover in a method is possible. A 6 lamp auto-aligning turret (using data-coded lamps with individual power supplies), pencil beam optics and Stockdale double beam system combine to produce exceptional trace element detection limits. QuadLine deuterium background correction is standard on all units, even when equipped with the optional Zeeman system, and provides guaranteed correction performance.

The M5 system offers flame and furnace operation with deuterium background correction while the M6 provides flame and Zeeman furnace operation.

Other options are the dedicated MQZ Zeeman furnace-only system or the MQZe combined Zeeman furnace / vapour analysis system. All flame systems use automatic binary flow gas management for reproducibility and safety. Universal 50 mm titanium burner supports all flame types and has high solids handling, excellent flame stability and low carbon build-up.

Auto optimising software control of burner height adjustment. Standard inert fluoroplastic spray chamber, with

micro-adjustable impact bead, and inert nebuliser provide unmatched sensitivity.

Feature-packed Windows 98/2000/XP-compatible SOLAAR software control offers multiple wizards to optimise system parameters and control analyses. Alternative LCD Local Control is available. Optional system validation and tools to aid 21CFR Part 11 compliant operation ensure data quality and integrity.

Full range of optional accessories provide optimal solutions to a wide range of analysis types, including flame auto-sampling, graphite furnace and vapour analyses.

