



TORONTECH

AAS - ATOMIC ABSORPTION SPECTROMETER



AAS3000 Series Atomic Absorption Spectrometer range featuring models AAS3000F, AAS3000FG, and AAS3000FG-Pro, is a vital collection of precision instruments for AAS analysis. These spectrometers are known for their exceptional selectivity, broad application versatility, high sensitivity, user-friendly operation, cost efficiency, and outstanding accuracy.

They find extensive application across a range of fields, including geology, mining, metallurgy, agriculture, forestry, hydrology, environmental protection, petrochemical industries, food and drug safety, and third-party testing. Crafted to address varied analytical requirements, these instruments deliver reliable and efficient performance for demanding laboratory settings.

Compare AAS3000 Series Atomic Absorption Spectrophotometers

Side-by-side overview to help you choose the right AAS configuration for your laboratory workflow.

Feature	AAS3000F (Flame Furnace Type)	AAS3000FG (Flame + Graphite Furnaces)	AAS3000FG-Pro (Flame + Graphite, Pro)
Atomization / furnace type	Flame	Flame + Graphite	Flame + Graphite (Pro version)
Best for	Routine AAS analysis with flame configuration	Labs needing both flame and graphite furnace options	Advanced workflows needing flame + graphite with Pro-level configuration
Sensitivity needs	Suitable for many routine concentration ranges	Supports broader sensitivity needs (method dependent)	Supports demanding sensitivity workflows (method dependent)
Workflow flexibility	Flame-focused operation	More flexible methods with two atomization options	Most flexible within the series (configuration dependent)

Feature	AAS3000F (Flame Furnace Type)	AAS3000FG (Flame + Graphite Furnaces)	AAS3000FG-Pro (Flame + Graphite, Pro)
Typical applications	Environmental, food, petrochemical, agriculture, and general lab analysis	Multi-domain labs needing wider method coverage	High-demand labs and third-party testing with complex requirements
Selection tip	Choose if you mainly need flame AAS for routine lab work	Choose if you want both flame and graphite furnace capability	Choose if you need the Pro configuration for the most demanding workflows



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