No time like now to experience the amazingly capable, remarkably affordable Avio 200 ICP-OES.

If your lab is like most, you're being asked to do more – and do it faster and more cost-effectively than ever before. But if you're using flame atomic absorption (AA), the requirement for lamps and method parameters specific for each element means that you're relegated to single-element analysis. That's hardly simple – by any standard.

How Avio™ 200 can make your lab – and *life* – better.

The all-new Avio 200 ICP optical emission spectrometer can handle the most difficult, high-matrix samples without dilution. But that's not the only way that it's superior to flame AA: It's also as easy to use as AA, but with no flammable gases to deal with. And it's even more cost-*efficient* and cost-*effective* than AA, because there are no lamps to buy when you run new elements.

And not only is it the smallest ICP on the market, it's about the same footprint as a traditional flame AA system – the perfect benchtop fit for any lab. Plus, it boasts the fastest startup time of any ICP, together with the lowest argon consumption available. What's more, the Avio 200 system utilizes intuitive, cross-platform Syngistix™ software (unique to our atomic spectroscopy instruments), making the transition from AA to ICP seamless from a software perspective.

Combine that with preset methods and easy maintenance, and there's no reason *not* to switch.

PerkinElmer®
For the Better

The perfect alternative to AA, inside and out

Looking for a multi-element alternative to single-element AA, in a compact, affordable package? Your answer lies in the pioneering technology of the Avio 200 ICP-OES. A big step up from AA, the Avio 200 enables you to run all your samples more cost-effectively than ever. Here's more of what the Avio 200 ICP-OES delivers:

Better productivity with dual-view technology

The Avio 200 system's Dual View capability lets you measure every wavelength with no loss of light or sensitivity. Elements at high or low wavelengths, regardless of concentrations, can now be measured precisely, in the same run. What's more, its Dual View design delivers extended linear range for minimal sample prep and dilution, better control and accuracy, and fewer reruns.

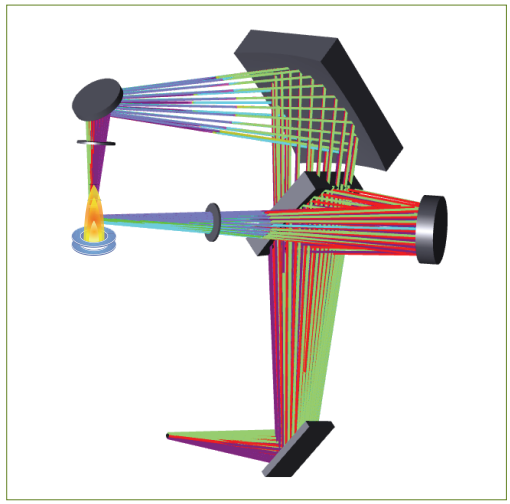
Lowest ICP operating costs

With patented Flat Plate™ plasma technology, the Avio 200 system generates matrix-tolerant plasma while consuming half the argon of other ICP systems – not only delivering the lowest operating costs of any ICP (only 9 L/min versus 21 L/min required by other systems), but also less downtime and more productivity by eliminating the cooling and maintenance of traditional load coils. And while other ICPs use as much as 4 L/min to remove the cool tail plume, the Avio 200 system's patented PlasmaShear™ technology does it while running on air. Put that together with fast startup (10 minutes from power on) and patented Dynamic Wavelength Stabilization™, and you have the lowest operating costs around.

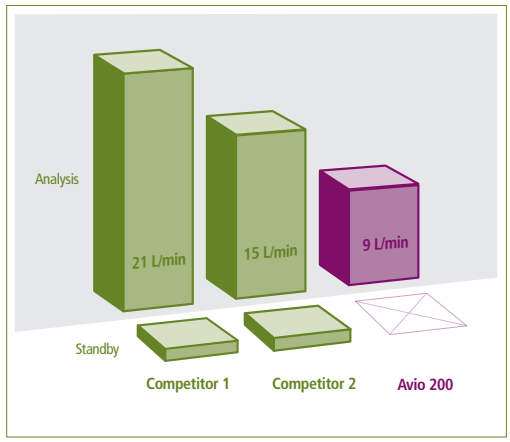
Simplified operation and maintenance

To make it worthwhile switching from AA to ICP, it's got to be simpler – and the Avio 200 ICP-OES is simplicity itself:

- Syngistix™ software delivers intuitive, easy operation, with preset methods and extensive QC options to ensure quality data.
- PlasmaCam™ technology simplifies method development and enables remote diagnostics.
- The torch cassette delivers automatic self-alignment, tool-free adjustment, and simplified maintenance



Avio's unique vertical Dual View optical system ensures the widest working range and excellent detection limits.



The Avio 200 operates with a plasma flow of 8 L/min and a total argon gas flow of 9 L/min, compared to 21 L/min required by other systems.

Learn more - watch the video at www.perkinelmer.com/avio200

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