

News Release

New Approach for Environmental Testing Using ICP-OES Outlined in New White Paper

Kleve, Germany, August 22, 2019 – SPECTRO Analytical Instruments, a leading manufacturer of advanced instruments for elemental analysis, has published a new white paper, “*A New Approach to ICP-OES Analysis for Environmental Testing.*”

Environmental laboratories might like to standardize on one ICP-OES solution for most or all of their analysis needs. But different spectrometer types have different advantages and disadvantages for various applications. For instance, they derive diverse benefits from their internal plasma viewing technologies.

SPECTRO’s new white paper details how recent developments in viewing techniques helped create a versatile new type of spectrometer. Its brand-new dual side-on interface (DSOI) technology can offer significant advantages for environmental laboratories in routine applications, including waters, wastewaters, soils and sludges.

For instance, DSOI technology offers twice the sensitivity of conventional radial systems yet avoids the complexity, drawbacks, and cost of vertical dual view models. It provides high stability, the same high linearity as traditional radial-observation ICP-OES, improved ease of use and less maintenance requirements than vertical dual view systems. Additional advantages of the technique: only a measurement, using a single plasma view, is needed — a definite speed advantage compared to dual-view spectrometers.

The white paper is immediately available for download at
<https://www.spectro.com/landingpages/environmental-testing-icp-oes>



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About SPECTRO:

SPECTRO, a unit of the Materials Analysis Division of AMETEK, Inc., manufactures advanced instruments, develops the best solutions for elemental analysis in a broad range of applications, and provides exemplary customer service.

SPECTRO's products are known for their superior technical capabilities that deliver measurable benefits to the customer. From its foundation in 1979 until today, more than 50,000 analytical instruments have been delivered to customers around the world.

AMETEK, Inc. is a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of approximately \$5 billion.

For more information, visit <http://www.spectro.com> or email spectro.info@ametek.com.

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