

OPTICAL EMISSION SPECTROMETRY MICAP™-OES 1000

THE WORLDS SMALLEST ICP

Radom's MICAP™-OES 1000 integrates the proven, advanced technology of Cerawave™ into atomic spectroscopy, resulting in dramatic space and cost savings. Radom delivers the solution for onsite instrumentation with Microwave Inductively Coupled Atmospheric Plasma – Optical Emission Spectrometry.

This innovative nitrogen-based plasma atomic spectroscopy instrument replaces the traditional argon generated plasma technology by harnessing 1000W of Microwave power.

ADVANTAGES

- Robust, reliable plasma sustained with nitrogen (>99.9%)
- The lowest carbon footprint of any OES instrument in the market
- Light-weight modular design with independent plasma source
- Air cooled microwave plasma source of 1000W - No chiller required
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- Eliminates the need for water-cooled copper coils, saving you the cost of a chiller and reducing noise and heat in your laboratory
- Provides the ability to analyze total dissolved solids and organic solvents
- Simultaneous, research grade spectrometer allows for flexible wavelength selection.
- The analysis time is typically less than 3 minutes per sample with reliability of result confirmation.
- Mass flow controlled coolant, auxiliary & nebulizer
- gas for reliable and stable sample measurements
- Nitrogen gas can be sourced from liquid dewar, compressed gas cylinder or nitrogen generator
- Typical plasma gas flow is 14L/minute

SMALL FOOTPRINT - COMPACT DESIGN

- 15.3 in (388 mm) x 24 in (607 mm) x 13.7 in (349 mm) excluding the fiber optic weighing 68 lbs (31 kg)

