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Press Release

Nippon Instruments Corporation Introduces On-Demand Video Demonstrating the MA-3000 Mercury Analyzer

NIC has produced a new informational video describing the performance of the MA-3000 direct thermal decomposition mercury analyzer.

March 20, 2018 – Tokyo, Japan. [Nippon Instruments Corporation](#) (NIC) has published a new [informational video](#) describing measurement of mercury in liquids, solids, and gases using direct thermal decomposition. The video highlights the capabilities and operation of the NIC [MA-3000](#) mercury analyzer.

The MA-3000 analyzer is a dedicated direct mercury analyzer that selectively measures total mercury by thermal decomposition, gold amalgamation and cold vapor atomic absorption spectroscopy, on virtually any sample matrix. It was developed to meet the need for equipment that is easy to use and does not require wet pretreatment, offering a state-of-the-art solution for rapid, complete ultra-trace quantitative determination of mercury.

The video presents the principle of cold vapor atomic absorption spectroscopy, where monochromatic light is attenuated by mercury vapor in a measurement cell, and describes the technological innovations and operational features that enable the instrument to analyze mercury down to levels of less than one picogram.

The video is currently available on the [NIC YouTube channel](#).



**NIC MA-3000 Direct Thermal
Decomposition Mercury Analyzer**





About Nippon Instruments Corporation

Nippon Instruments produces a broad line of Hg monitors suitable for surveying for vapor-phase elemental mercury in air, and elemental and mercury compounds including methylmercury, in gases, liquids and solids. Materials analyzed include fuels – coal, lignite, crude oil, natural gas; liquids such as waste, drinking and river water; incinerator stack gases; animal products; human tissue and blood and solid waste streams.

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