

Superior Detection Device



Discrete Dynode Multiplier

Photonis now provides a range of Discrete Dynode Electron Multipliers to provide plug-and-play replacement modules for ICP-MS instruments. These electron multipliers provide excellent lifetime with fast timing and high sensitivity response.

An increasing emphasis on detection sensitivities across a high dynamic range requires electron multipliers to operate across ever broader ranges of analyte concentrations while maintaining saturation-free linear output during high currents. Photonis Discrete Dynode Electron Multipliers offer continuous high dynamic range from single ion to high concentrations by utilizing a dual-stage analog and pulse counting design that provides improved sensitivity, air stability and long life through the use of innovative dynode technology.

Unique Features

- Plug-and-Play Replacements
- Superior Lifetime
- Excellent Sensitivity over all Mass Ranges
- Fast Gating <6ns
- 8 Orders of Magnitude Dynamic Range
- Supports ICP-MS Instruments

Superior Design and Engineering

Photonis offers a wide range of Electron Multipliers across many Mass Spectrometry techniques, including TOF, Q-TOF, MALDI-TOF, LC-MS, GC-MS, Quadrupole and Ion Trap. The addition of a line of Discrete Dynode Electron Multipliers to the Photonis product portfolio adds ICP-MS application support for customers requiring new Discrete Dynode designs for future instruments or plug-and-play replacement components for existing ICP-MS instruments. Photonis now offers nearly 200 Electron Multiplier types for current and legacy instruments.

Photonis focuses on a co-design and development partnership with most major manufacturers of analytical instruments, including Mass Spectrometers, Surface Science, Focused Ion Beam, Scanning Electron Microscope, Residual Gas Analyzers, and Ion Mobility spectrometers. Ask Photonis to design your detector for your next instrument to ensure superior detection for more reliable results.

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