

Meet The World's First Multi-Mode FID In Nexis™ GC-2060



High Performance And Low Maintenance Multi-Mode FID

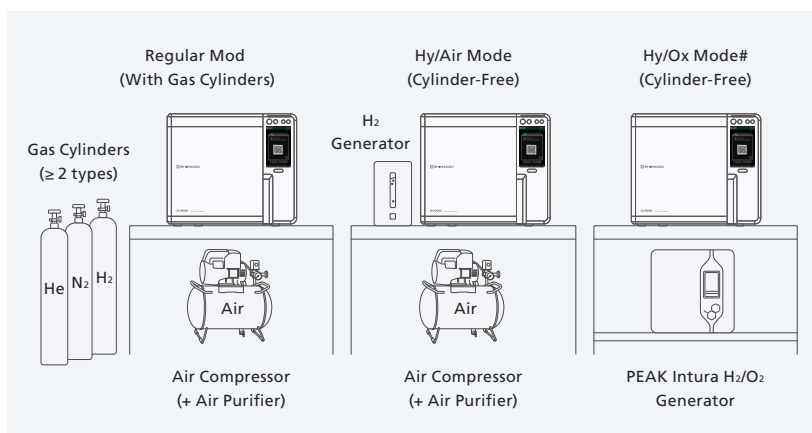
The new FID-U (2.0) in the Nexis GC-2060 reengineers conventional FID to maximize uptime and efficiency. With new Air and O₂ makeup gas options, you can streamline your gas supply – saving cylinder costs and lab space. Its capabilities can be further expanded with Shimadzu's proprietary Jetanizer™ and Polyarc™ microreactors.

Feature of Comparison	GC-2060		Previous Model
Minimum Detectable Quantity (MDQ)	1.0 pg C/s*	<i>Industry's Highest</i>	1.2 pg C/s
Nozzle Materials	Metal	<i>Improved Robustness</i>	Metal & Quartz
Makeup Gas Types	He / N ₂ / Air / O ₂	<i>Cylinder-free OK</i>	He / N ₂

* For N₂/He makeup gas. Results may vary depending on the sample and analytical conditions.

Cylinder-Free FID Operation With Hy/Ox and Hy/Air Modes

Routine operation with traditional FIDs is often costly and complex, requiring a three-gas setup: a He or N₂ makeup gas combined with H₂ and Air. The new FID simplifies your infrastructure by introducing Air and O₂ as makeup gas alternatives, **unlocking true cylinder-free operation.*** This helps to reduce running cost and cut helium usage.

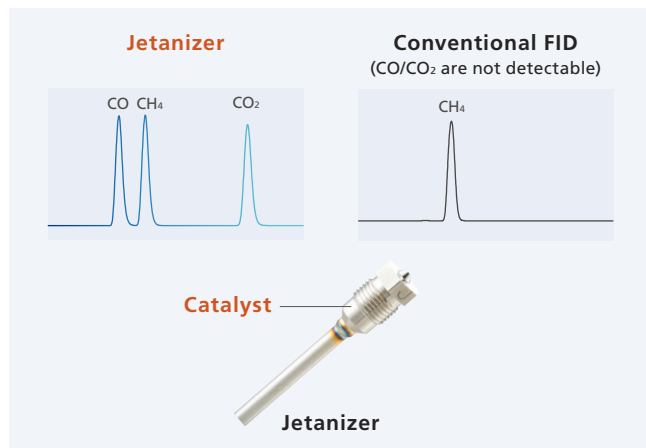


Keep Your Bench Space As You Expand Your Analyte Coverage

Seamlessly integrate Jetanizer and Polyarc microreactors to boost detector response for weak or undetectable compounds. The new FID delivers simpler quantitation and broader analysis capabilities with zero extra footprint.

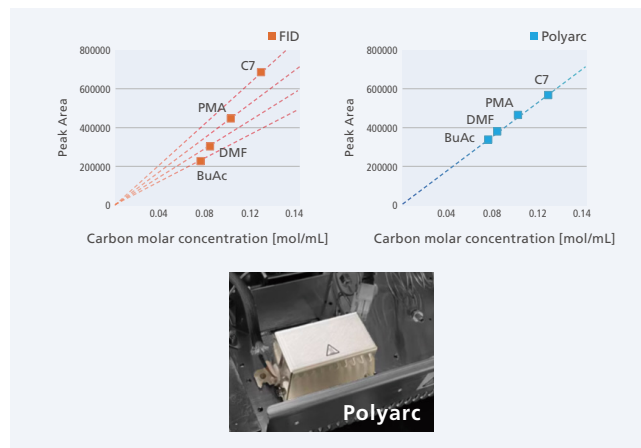
Jetanizer Mode (CO and CO₂ Detection)

- Converts CO and CO₂ to CH₄ for detection
- Enabled by simply replacing the FID nozzle



Polyarc Mode (Single-Calibration Approach)

- Converts hydrocarbons, CO and CO₂ to CH₄ for detection
- Provides universal response across compounds
- Quantitates the above using just one calibration curve



Enhanced Robustness, Simplified Maintenance

The new FID features an integral metal nozzle and a streamlined collector designed for straightforward user disassembly and cleaning. Supported by detailed, step-by-step video guides within the built-in Maintenance Help feature, routine servicing is clear and fast for users of any experience level to perform with confidence.

The figure illustrates the maintenance procedure for the new FID. It shows two components: the 'New FID Metal Nozzle' and the 'New FID Collector'. An arrow points from these components to a beaker containing a liquid, with the text 'Nozzle and collector can be cleaned in solvent with ultrasonic treatment' and '*only for new FID'. To the right, a photograph shows a person's hands using a tool to disassemble the FID, with the text 'Loosen the two screws and remove the upper cover, high-pressure unit, and collector as one assembly.' Below this is the text 'Maintenance Help provides procedures with photos and videos'.



[Explore maintenance help here](#)

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