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## Fundamentals of Helium Leak Detection

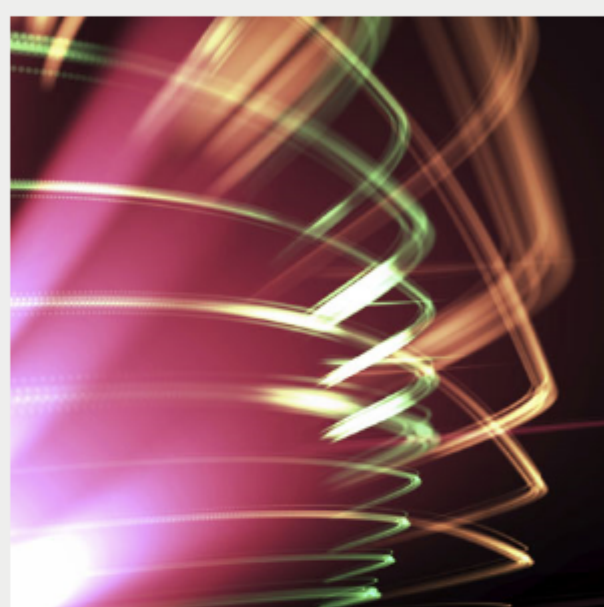
Presented by



### About This Webinar

From LEDs to medical devices to microelectronics - everything leaks! This 40-minute recorded webinar, presented by Agilent Technologies and available on demand from the Photonics Media web site, discusses the importance of leak rate specification and various methods of leak detection. You will learn about:

- The advantages and disadvantages of various leak detection technologies in terms of cost, sensitivity, repeatability and ease of application.
- The different methods of locating leaks and determining leak rate, and which method to employ for the product or system you need to test.
- The advantages of Helium tracer gas leak detection.
- The parts and systems that require leak testing.
- Leak rate values and the impact of leaks on the quality or life of parts and systems.



The use and benefits of Helium as a tracer gas are covered in detail. As a light gas, Helium readily and rapidly finds leak paths and can be detected quickly and reliably by a mass spectrometer instrument. Helium mass spectrometry leak detection provides a rapid, sensitive and reliable way to locate or precisely measure leaks that impact the quality or longevity of a wide range of parts and systems.

To view the recording, visit [www.photonics.com/ww144](http://www.photonics.com/ww144)

#### About the presenter:

John McLaren has over 25 years of leak detection experience. Before joining Agilent (formerly Varian) he was involved in leak detection process development at a major automotive parts supplier. Since joining Agilent/Varian in 1995 he has held various sales, sales management and marketing positions. In his current role as product marketing manager for Leak Detection, he directs product planning and development, creates specialized application solutions, and assists and trains the company's global sales organization.

#### About Agilent Technologies:

Since its invention of the VacIon ultra-high vacuum pump over 40 years ago, Agilent Technologies Vacuum Products Division (formerly Varian Vacuum) has maintained a leadership position in vacuum and leak detection technology for scientific and industrial applications. The company provides a full range of trusted vacuum solutions to enable the most challenging process or experiment.

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