

## PEAK Scientific launch the most energy efficient laboratory nitrogen generator

(Inchinnan, Renfrewshire, UK March 1<sup>st</sup>, 2024) Following the launch of the newest addition to its laboratory gas generator portfolio, PEAK Scientific is pleased to announce it can now take orders for Horizen 24, the most energy efficient nitrogen generator for Single Quad LC-MS.

PEAK Scientific is the industry-leader in laboratory gas generators and, with Horizen 24, have brought to market a solution that will save laboratories money, space and environmental impact whilst enhancing gas quality and reliability.

Designed for Single Quad LC-MS, Horizen 24 combines a number of proprietary technologies to provide the ideal solution for nitrogen gas supply; the culmination of over 25 years' dedication to manufacturing nitrogen generation solutions for LC-MS.

Horizen 24 has been designed with new technology inside, including heat optimization technology to protect the membrane from water droplets, enhancing performance and reliability in the gas stream. This exciting innovation also houses advanced multi-stage purification to produce ultra-dry, high-purity nitrogen gas for LC-MS analysis.

With demand growing, PEAK Scientific set out to manufacture the most energy-efficient nitrogen generator on the market in the smallest footprint in its class. Using up to 55% less energy, Horizen 24 can save labs on power consumption and with over 50% less heat output, even lab's air conditioning costs can be reduced. Horizen 24 can also help labs to minimize their operational carbon footprint compared to cylinders and equivalent generator models.

Fraser Dunn, PEAK Scientific's Head of Design Engineering, said of the launch, "Horizen 24 has truly been a giant leap for us at PEAK in the benefits we can provide to labs around the world with this latest nitrogen generator for Single Quad LC-MS."

"The generator has been fitted with a number of new technologies which have been rigorously tested to achieve better energy efficiency than any other single quad nitrogen generator on the market. We've not only reduced the cost of ownership for labs, we've produced a nitrogen generator that is significantly smaller than its predecessor without compromising on quality, reliability or purity."

For more information on Horizen 24, visit [peakscientific.com/horizen](https://peakscientific.com/horizen) or contact PEAK Scientific directly for a quote at [peakscientific.com/contact](https://peakscientific.com/contact).

END (369)

### Notes to Editors

PEAK Scientific produces market-leading nitrogen, hydrogen and zero air systems mainly for the fields of LC-MS (Liquid Chromatography-Mass Spectrometry) and GC (Gas Chromatography). What differentiates us is our world-class technical support and ongoing service care throughout the generator's lifespan, wherever you may be in the world.

For further information or images please contact Raymond Mackay at [rmackay@peakscientific.com](mailto:rmackay@peakscientific.com)



FM 515973

**Peak Scientific Instruments Ltd**  
Fountain Crescent  
Inchinnan Business Park  
Inchinnan, PA4 9RE  
Scotland, UK

**T:** +44 (0)141 812 8100  
**W:** [www.peakscientific.com](https://www.peakscientific.com)  
**E:** [info@peakscientific.com](mailto:info@peakscientific.com)

Register No.SCI75368