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## **ION Science to Demo Their Latest Air Quality Sensing Technology at the AHR Expo in Chicago, IL**

FOR IMMEDIATE RELEASE

**Stafford, Texas - January 15, 2024** - ION Science is pleased to announce that they will be an exhibitor at the AHR Expo on January 22-24, 2024 in booth S10349. The AHR Expo brings together manufacturers & suppliers of all sizes & specialties to share ideas and showcase the future of HVAC technology. It's the industry's best place for OEMs, engineers, contractors, facility operators, architects, educators, and other professionals to experience everything new in HVAC and build the vital relationships that grow businesses and careers.

HVAC systems are a key component of modern buildings and are responsible for controlling crucial aspects of building occupant comfort, including temperature, humidity, and air quality. Two key air quality pollutants that ION Science can detect are particulate matter and volatile organic compounds (VOCs).

Volatile organic compounds have high vapor pressure and low water solubility. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, pharmaceuticals, and refrigerants.

VOCs include a variety of chemicals, some of which have short- and long-term adverse health effects. Concentrations of many VOCs are typically higher indoors (up to ten times higher) than outdoors and the easiest way to manage VOCs inside of buildings is a ventilation system. Monitoring VOCs to ensure that harmful levels are not reached, both indoor and outdoor, is vital.

ION Science's PID technology is ideal for air quality and emissions monitoring purposes, thanks to the patented fence electrode technology found in all ION Science MiniPID sensors, which helps to eliminate false positives and thus deliver reliable results.



Particulate matter pollution is an enormous problem all across the world, especially for engineers within the HVAC industry. As the HVAC system draws in outdoor air to supply the building, particulate matter can easily pollute the air inside. The only way to ensure HVAC systems are ventilated properly throughout the building and ensure worker safety is through air quality monitoring sensors, such as TERA Sensor's Next PM presented by ION Science. The NextPM sensor has been independently verified by the South Coast AQMD as the world's best-performing, low-cost particulate sensor.

Using the two gas sensing technologies (MiniPID sensors and NextPM particulate sensors) in combination is an effective way to monitor air quality and emissions for the safeguarding of human and environmental health.

To see ION Science's full range of sensors, as well as the Panther and Panther PRO leak detectors, visit ION Science at booth S10349 at AHR Expo or contact our team today at [info@ionscienceusa.com](mailto:info@ionscienceusa.com) or by phone at +1 (877) 864-7710.

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