Soil Gas Sampler Eliminates Leaks

The Vapor Pin is a new sampling device that reduces the cost and improves the quality of sub-slab soil gas investigations used to locate contaminant sources beneath buildings and to conduct vapor intrusion evaluations. It can be installed quickly and easily, and its unique, patented design eliminates the need for grout or other adhesives. A small-diameter hole is drilled through the slab and the Vapor Pin is put in place using an installation/extraction tool and a hammer. Because the Vapor Pin is machined from a single piece of metal, the potential for leaks is essentially eliminated. At the end of an evaluation, the sampler can be removed for reuse, further lowering the cost to implement such studies.
Cox-Colvin & Associates, Inc.
www.CoxColvin.com **Booth 526**

Touch Screen Upgrades Air Quality Analyzers

The sensor-e T-Series represents the next generation of gas analyzers. These instruments give real-time indication of a large number of operational parameters, provide automatic alarms if diagnostic limits are exceeded, and allow data to be downloaded. They feature a high-resolution color graphics display with an advanced touch-screen interface, fold-down front and rear panels for easy maintenance, and front and rear panel USB connections. Multi-tasking software allows for one-touch firmware upgrades and remote operation.
Teledyne Monitor
www.teledyne-ml.com **Booth 229**

Exchanger Captures Waste Heat with Ultrahigh Efficiency

The Thermo-Z heat exchanger is designed to recover heat from energy-consuming processes up to 1,400°F with guaranteed leakage rates of less than 0.01%. It features a modular design with heavy-gauge, welded-plate construction, and an internal casing secured to a cold outer casing by integral thermal expansion joints. Variable plate spacing on the supply and exhaust optimizes performance and pressure drop while minimizing maintenance requirements. Both crossflow and counterflow configurations are available.
Munters Corp.
www.munters.us **Booth 428**

Biological Treatment Systems Meet Clean Air Act Requirements

Bio·AIRVENT is an automatically controlled, modular, vapor-phase bio-oxidation system for the capture and breakdown of volatile organic compounds (VOCs) into carbon dioxide and water vapor. It can be sized to accommodate most compounds and virtually any required process airflow. The Bio-sumpVENT is a light-weight, modular bio-oxidation system designed to meet the demands for odor control at lift stations, sewer vents, and other small contained processes. The system can handle H_2S and other odor compounds (mercaptans) in airflows up to 200 ft^3/min. Both systems are suitable for use in the wood products, paint, pulp and paper, food processing, and wastewater treatment industries, by facilities that want to increase production capacities or that must meet regulatory or permit requirements.
Met-Pro Environmental Air Solutions
www.mpeas.com **Booth 615**

Multi-Gas FTIR Instrument Provides Continuous Gas Analysis

This firm's Fourier transform infrared (FTIR) analyzers provide accurate measurement of gases, including greenhouse gases (GHGs). Multi-component measurement capability allows up to 50 gases to be measured simultaneously with a single device. Water-soluble inorganic gases (*e.g.*, HCl, HF, NH_3) can be measured and results can be displayed in dry or wet gas units. Nitrogen or air can be used to perform zero calibration. The DX-series portable FTIR gas analyzers combine field ruggedness and reliability and provide direct, real-time data measurement results onsite. The analyzers are suitable for: monitoring emissions from stacks; process gas monitoring; combustion and catalytic research; workplace air quality monitoring (industrial hygiene measurements); or hazardous material measurements by first responders.
Gasmet
www.gasmet.com **Booth 211**