



Creative Gas Detection Solutions

WF₆ I₂ Br₂
HBr Si₂H₆ HCN
SF₆ NF₃ H₂Se F₂
ClO₂ VCM TEOS N₂H₄
B₂H₆ HCl SiH₄ ETO
COCl₂ SiF₄ T90 NO
CO₂ HCHO VOCs
%LEL BCl₃ H₂O dp
PH₃ ASH₃ H₂
PPM NO₂
HF SO₂ H₂S
NH₃ Cl₂ O₃
CO O₂

Compressed Airline Monitors & Respiratory Air Monitors

We offer a complete line of compressed air monitoring and filtration systems for supplied breathing air, process air, and medical compressed air. Our continuous in-line monitors and breathing air filtration panels are designed to meet OSHA 1910.134 compressed breathing air monitoring requirements. Our advanced compressed airline monitors for breathing air, in-line process air, and medical air systems can continuously and simultaneously monitor up to four gases in real-time. Options include monitoring for carbon monoxide (CO), oxygen (O₂), carbon dioxide (CO₂), VOCs, trace hydrocarbons and dew point as well as a variety of other hazardous gases.



CO-GUARD



AFS-100



MedAir 2200

Fixed Gas Detection Systems – Stationary Monitors

Single and multi-channel ambient air monitors are available from ENMET, providing continuous real-time monitoring of a variety of hazardous toxic and combustible gases and vapors, as well as oxygen and dew point conditions. Options include integral or remote sensors and gas sampling capabilities for a variety of applications. Our fixed monitoring systems utilize an array of sensor technologies allowing us to design a system that will provide the best solution for our customers' gas detection requirements. Applications include municipal, medical, aerospace, military, pharmaceutical, chemical processing, refineries, manufacturing and other industrial processes.



GSM-60



EX-5175



AM-5175

Gas Detection Controllers

Single or multi-channel controller options are offered by ENMET, all accepting 4-20mA input from single or multiple remote gas detection sensor transmitters or similar devices. Our controllers provide a digital display of the gas concentration for all channels simultaneously and provide user programmable alarm relays, audio and visual alarms. We can design a system for a wide range of hazardous gases and vapors utilizing these reliable and rugged controllers with our complete line of sensor transmitters. Systems can be designed for monitoring combustible gases, oxygen, CO, VOCs, refrigerants, chlorinated solvents, hydrocarbons, and many other toxic gases.



CP-10



CP-60



LC-8

Remote Gas Monitoring – Sensor Transmitters

Gas sensing remote transmitters can be adapted to a wide range of applications where remote monitoring is required. These sensor transmitters provide a 4-20mA output signal which can be connected to ENMET controllers, PLCs or building automation systems (BMS). Our rugged EX-Series sensor transmitters are designed for harsh environments with options for NEMA 4X, NEMA 7 and IP66 rated explosion proof enclosures. Our sensor transmitters can detect a wide range of hazardous gases and vapors utilizing a full spectrum of sensor technologies including electrochemical, IR, PID, GC, MOS and others.



EX-5100



EX-6100



SE-5175

IR-6000



Gas Chromatography Analyzers

Our portable and fixed gas chromatographs can perform trace toxic chemical analysis of harmful compounds including benzene, butadiene, ethylene oxide and vinyl chloride, helping to maintain a safe environment within and around a facility and enabling companies to provide EPA and OSHA compliance monitoring and reporting. ENMET's environmental monitor, eGC, is an autonomous fenceline analyzer for sub ppb levels of benzene providing field monitoring at detection thresholds for EPA Method 325. Our eGC is very cost effective and offers many advantages over traditional passive sampling methods.

mGC



iGC



eGC

Portable Gas Detectors

We offer portable single and multi-gas detectors for monitoring a variety of hazardous gases including CH₄, CO, H₂S, O₂, CO₂, SO₂, NO, NO₂, VOCs, hydrocarbons and formaldehyde. Our portable detectors are durable, lightweight, easy to use and to maintain. Our portable line includes a six gas detector with smart sensors for a variety of gases, a four gas detector commonly used for confined space entry and a real-time portable formaldehyde detector. Our portable MATRIX medical gas verifier is designed for the real-time analysis and verification of medical gases to ensure compliance with NFPA 99.



RECON/4a

Formaldemeter
htV-m



SAPHIRE

MATRIX



Our Mission

ENMET, LLC is committed to providing gas detection solutions with quality products and services that conform to customer requirements. ENMET's focus is to provide innovative solutions utilizing sound engineering and quality manufacturing practices that meet ISO 9001 and AS9100 requirements.



A Brief History of ENMET

ENMET has been in the forefront of creative gas detection solutions since its inception in 1970. Dr. Verne R. Brown founded Environmental Metrology Corporation (later to be abbreviated ENMET Corporation) to develop solid state gas and vapor detectors for industrial health and safety applications. Meeting the needs of an extremely diverse market over the years, ENMET has earned a reputation for its ability to accommodate specialized applications. Products range from compressed air line monitors to portable and fixed single and multi-channel systems for many applications including municipal, research, medical, military, aerospace, pharmaceutical, chemical processing, refineries, manufacturing and other industrial processes.

ENMET Corporation was acquired by a Chicago-based company, Benford Capital Partners, LLC, in July 2014. The new entity, ENMET, LLC, remains headquartered in Ann Arbor, Michigan.

In June 2016, ENMET, LLC acquired Sensora Corporation based in Bowling Green, Kentucky, which has an array of analyzers utilizing Gas Chromatography technology designed to provide trace toxic chemical analysis.

With offices and manufacturing facilities in both Kentucky and Michigan, USA, ENMET offers an extensive array of gas detection and analyzing systems for a wide variety of hazardous gas conditions. Hundreds of gases can be monitored utilizing a broad spectrum of sensor technologies. In addition to providing creative gas detection solutions worldwide, we also offer expert technical assistance, including problem assessment and product selection, as well as advice on system installation and training.



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