



COMPANY PROFILE

ENMET Corporation, an independent company founded in 1970, manufactures oxygen monitors, toxic and combustible gas detectors and related equipment. Products range from compressed air line monitors to portable detectors and continuous multi-channel fixed systems for a wide variety of hazardous gas conditions. Hundreds of gases can be monitored utilizing a number of selected sensor technologies. In addition to the wide array of equipment offered, we also provide expert technical assistance, including problem assessment and product selection, as well as advice on system installation and training.

ENMET can design custom engineered gas and vapor detection systems for clients who need to monitor the contents of pipelines, ducts, process lines, storage tank headspaces, engine test cells, environmental chambers, vehicle maintenance areas and similar applications. Using diverse sensor technologies such as infrared, photoionization, catalytic combustion, metal oxide semiconductor (MOS), and electrochemical, it is possible to design systems for monitoring dew point, combustible gases, oxygen, CO₂, VOCs, refrigerants, chlorinated solvents, hydrocarbons, and inorganic toxic gases such as CO, H₂S, Cl₂, NH₃, NO, NO₂, SO₂, HCl, HF, ozone, etc.

With offices and manufacturing facility in Ann Arbor, Michigan, USA, ENMET has representatives, service centers and distributors throughout the United States and Canada, as well as, sales and technical support in Mexico, Colombia, Brazil, South Africa, the UAE, India, China, Singapore, Hong Kong, Thailand, Taiwan, Korea, Indonesia, Malaysia, New Zealand, Australia, and elsewhere.



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Gas detection for health and safety

Gas detection for health, safety and process monitoring

ENMET is a leading manufacturer of hazardous gas and vapor detection instruments for health, safety and process applications in municipal, industrial, assorted commercial, research, medical, military and other markets. Products include oxygen monitors, detectors for combustible gases, compressed breathing air monitors, and systems for detection of an array of toxic gases. Available equipment ranges from single-gas and four-gas portables to multi-channel stationary gas detection systems.



PORTABLE DETECTORS

Portable single-sensor instruments are offered for monitoring oxygen or for detection of combustible or toxic gas. Battery-powered, 4-sensor multi-gas detectors for confined space safety are available for O₂, LEL, CO, H₂S and other toxic gases. Special instruments are available for formaldehyde and very reactive gases, such as ozone and HF.



RESPIRATORY PRODUCTS

Various industrial and commercial processes require personnel to work on a temporary or semi-continuous basis in a hazardous environment. Such as, in the removal of asbestos, sandblasting, spray painting, cleaning of chemical tanks, etc. Such applications involve workers on supplied-air respirators connected to a compressor. ENMET manufactures air filtration systems and CO and oxygen monitors for compressed breathing air for compliance with OSHA Respiratory Standard CFR 1910.134.



STATIONARY MONITORS

Stationary products range from monitors with an integral sensor, or sensor on a cable, to controllers which accept inputs from single or multiple remote sensor/transmitters. Single-point instruments with an integral gas sensor are complete and economical solutions for monitoring a lab or small room. Monitors and controllers provide a digital display of gas concentration, control output, programmable alarm relays, horn and visual alarms.



SENSOR/ TRANSMITTERS

Sensor/transmitters are offered for monitoring large or remote areas, and they are available for a wide range of conditions. These 24 VDC loop-powered transmitters provide a 4-20 mA output signal which can be connected to ENMET controllers, commercially available PLCs or similar devices. Types of sensors utilized include catalytic, electrochemical, MOS, IR and PID. Sensor/transmitters are rated for explosionproof or standard non-hazardous environments.



MEDICAL AEROSPACE PHARMACEUTICAL PROCESS INDUSTRIES

Products offered to these and other high-tech industries are of two very broad general types, either monitoring of a confined area/vessel or analyzing a compressed gas or air line. Gas samplers are available for drawing the sample air to a sensor/transmitter, while certain monitors feature a built-in sample pump. Instruments can accommodate up to four remote or internal sensors, which can include electrochemical, PID, IR and other technologies. Specific medical products include oxygen monitors for MRI facilities and monitors for CO and dew point in hospital compressed breathing air systems.

