

DATA SHEET



Vega-GC - Applications

Vega-GC is suitable for a wide range of applications in air, gas or vapour analysis : its modular design can be easily configured for present or future needs.

Compact, light and easy to use for on-site measurements, can be connected to Vega-MPS (multi-point-sampler) to build an automatic monitoring station.

The main fields in which we have already tested it are :

Occupational Health

Vega-GC is widely used as an air quality monitor :

- By changing few instrumental parameters, a single GC can detect a wide range of chemicals
- In stand-alone mode, it can be easily carried and used without the help of an expert technician
- Connected to Vega-MPS it can perform an automatic monitoring alerting the user if a single or average value exceeds the safety threshold

Hospital Environmental Monitoring

An example of what above : small but frequently inhaled amounts of anaesthetic gases can seriously affect the health of the medical personnel. A growing number of Italian hospitals use Vega multi-point automatic systems to check the air quality inside operating rooms.

Safety

Factories, laboratories and whoever produce or use potentially dangerous chemicals should continuously check for their concentration:

- Vega-GC, when connected to Vega-MPS, can monitor a wide area with one analyzer
- When a dangerous concentration is detected, the instrument can automatically sound an alarm or activate a shut-off valve, a security door etc.. acting both to detect and to eliminate the danger.

Gas Supply Companies

Who produce and sell combustible gas for house heating or industrial purpose has to determine its composition :

- Vega-GC in stand-alone mode can be used to check the gas composition and measure its calorific power along the production and distribution lines
- When methane is made by controlled waste decomposition, Vega-GC and Vega-MPS can monitor the composition and help maximizing the production.

First Responders

Fire Brigades usually know what dangerous chemicals are produced or used by the nearest factories, but they may need to know the amount spilled during an accident, in order to alert the population and take countermeasures :

- Vega-GC is quick (results in 2 minutes) so it can give a real-time picture of the situation and also monitor its evolution in time.
- It can be controlled through a remote, wireless-connected PC, so the user can stay away from the dangerous zone.