smart
GasDetection
Technologies

Safety in biogas plants

Biogas plants could potentially cover a majority of Britain's gas demands. For the structural extension of biogas production to be effective however, safety equipment protecting the staff is absolutely essential.

Biogas is produced by a process called anaerobic digestion (AD) and contains mainly methane and carbon dioxide, but also minor concentrations of other gases, such as hydrogen sulphide. Bio methane can be created by extracting the carbon dioxide from the compound. This can be used just like natural gas and fed into existing gas infrastructure. Burning the gas directly at the plant will create carbon monoxide.

Our G999 multi-gas detector is equipped with sensors which were developed specifically for biogas applications. While in pump operation mode, it will analyse methane concentrations of up to 100 volume percent. In diffusion mode, it will detect toxic and combustible gases as well as the oxygen concentration and thus increase staff safety significantly.

Portable gas detector G999 (with pump)

» Integrated sensors
  CO: 0 – 2000 ppm
  H_2S: 0 – 500 ppm
  Double IR sensor: 50 % CO_2 / 100 % LEL CH_4 / 100 Vol.-% CH_4
  O_2: 0 – 25 vol.% (3 or 5 year sensor life options)
» Easy transition between pump mode and diffusion mode
» Safe use in Ex zones
» Long battery life, 3-way alarm, data logger and much more.

You need an instrument to increase your biogas plant's safety and analyse the produced gas?

We are happy to help to help you!

G999 multi-gas detector

More information on this product

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