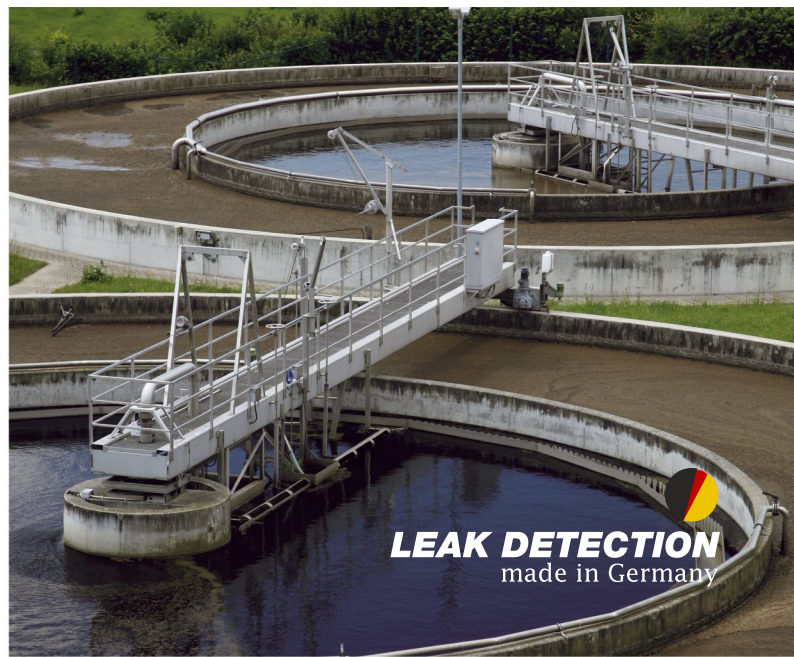


Multitec® 560

Combined gas warning and measuring device for monitoring processes and personal safety at landfill sites, sewage treatment facilities and biogas plants



Device concept

The **Multitec® 560** is a combined gas warning and measuring device. When used as a gas warning instrument it reliably and automatically detects gases which are toxic and hazardous to humans. When used as a gas measuring device it records and documents the composition of biological process gases.

The intelligent operator guidance optimally supports the user in his work. For example, the device prevents switching between measuring ranges at critical gas concentrations, thus ensuring maximum safety – for humans and equipment.

Applications

The **Multitec® 560** is ideal for the preventative inspection of the atmosphere in work areas (e.g. engine pits, silage tanks, shaft constructions). It reliably detects explosive and toxic gases to ensure safety at work at all times.

It is essential to record and analyse the gas composition and optimise processes for the profit-oriented production of biogas. The **Multitec® 560** is perfect for these tasks as it uses high-quality infrared measuring technology.



Functionality

The gas warning function (ExTox warning application) records methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide up to the customised alarm values, which means that the **Multitec® 560** can be used virtually anywhere as a gas warning device.

The gas measuring application more or less eliminates erroneous measurement values for methane and carbon dioxide caused by interaction with other gases thanks to the use of infrared measuring technology.

In both applications, the measurement values are displayed simultaneously on the large screen and can be read off at a glance. The measurement data are saved in logs and can be easily transferred to a PC using the USB port for further evaluation.

The **Multitec® 560** integrates perfectly into SEWERIN's extensive product line of gas devices. There is also a comprehensive range of approved test technology accessories available. These allow the user to regularly test and adjust the device himself. The functionality of the device can be verified using test gases. This "function control" can be saved in the device (integrated function control). The device, therefore, already complies with the anticipated future obligations to provide proof, for example, as imposed by plant insurance underwriters for calculating premiums.

Features

Innovative operating concept with jog dial, menu navigation and function keys

Large transreflective, i.e. semi-transparent display, excellent readability, even in direct sunlight

Selective infrared sensors for methane and carbon dioxide

Highly durable electrochemical sensors for oxygen and toxic gases

Explosion protection: Ex II2G Ex d e ib IIB T4 Gb Ex II2G Ex d e ib IIC T4 Gb with TG8 carrying bag

EC type-examination certificate: TÜV 07 ATEX 553353 X

Measuring function: BVS 09 ATEX G 001 X, PFG 08 G 002 X (applies to ExTox warning application for CH₄, CO₂, O₂, CO, H₂S)

Minimum eight hour battery life in use, rapid charging in four hours

Measuring ranges / sensors

Application	Measuring ranges	Operating principle
Warning ExTox	0 – 100 % LEL CH ₄	Infrared sensor
	0 – 5 % vol. CO ₂	Infrared sensor
	0 – 25 % vol. O ₂ (optional)	Electrochemical sensor
	0 – 100 ppm H ₂ S (optional)	Electrochemical sensor
	0 – 500 ppm CO (optional)	Electrochemical sensor
Gas measuring	0 – 100 % CH ₄	Infrared sensor
	0 – 100 % vol. CO ₂	Infrared sensor
	0 – 25 % vol. O ₂ (optional)	Electrochemical sensor
	0 – 2000 ppm H ₂ S (optional)	Electrochemical sensor
	0 – 500 ppm CO (optional)	Electrochemical sensor

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.