



Dräger VarioGard 3000 EC Transmitter Toxic Gases and Oxy- gen Detectors

The Dräger VarioGard 3000 EC is a digital transmitter with an integrated electrochemical sensor. It detects toxic gases such as CO, NO₂, NO, NH₃ and oxygen in non Ex areas such as underground garages, laboratories and in cold storage houses.

Highlights

Digital function

The Dräger VarioGard 3000 EC is connected with the controller via the digital VarioGard bus. This is how it is supplied with electricity and how it transmits its measuring results. You can easily control the entire VarioGard system via the VarioGard bus.

High reliability

The VarioGard 3000 EC is equipped with an electrochemical DrägerSensor. This sensor measures the concentration of toxic gases in the ambient air. The measured values are transmitted digitally to the controller and displayed there. An alarm is triggered if the gas concentration exceeds one or more of the limit values configured.

Easy operation

The operation is extremely easy. You can make all configurations comfortably from the controller using VarioGard software. You can configure and monitor four current limit values and four averages over time for each transmitter. The alarms are optically and acoustically displayed on the transmitter and transmitted to the controller. A three-colour LED indicates the operating status of the transmitter. The calibration is controlled using a magnetic wand via contact points.

Individually configurable

The VarioGard 3000 EC is adapted to your system. Depending on the application, different sensors are available: CO, NO₂ and NO for garages, O₂ for oxygen supply systems and NH₃ for e.g. cold storage houses.

Focus on sustainability

The VarioGard transmitter aligns with Dräger's sustainability philosophy by incorporating durable DrägerSensors, enabling an extended service life for the device. The new housing design optimises material usage compared to its predecessor. Additionally, existing accessories and electronic spare parts from the previous series remain compatible, reducing waste. Dräger also facilitates the recycling of old devices by accepting them for disposal.

Technical Data

Key Facts

Type	Transmitter
Measuring Principle	Electrochemical
Cable entry	M20 x 1.5
Display	X
Intrinsic Safety	X
Flameproof	X
Increased Safety	X
SIL	X
4-20 mA	X
Bus	✓
HART®	X
Wireless	X

Technical Data

Power Supply	16 to 30 V DC
Temperature (operation)	-20°C - 50°C
Humidity	10 to 95% r.h., non-condensing
Pressure (hPa)	700 - 1300
Dimensions (H x W x D)	11x12x6 cm
Weight	400 g
Housing Material	Plastic ABS
Degree of protection (IP class)	IP65

Approvals

ATEX	X
IECEX	X
UL	X
CSA	X
CE marking	✓
GOST (EAC)	X
Performance approval	X
Shipping approval (MED)	X

Accessories



Test gas



Magnetic wand (blue)

Calibration adapter VarioGard



Cable inlet M20 x 1.5 (set of 10)

Connective Products



Dräger VVP 1000

- Touch panel displaying data from Dräger VarioGard gas detector
- Displays measurement values and status messages
- Accessible from anywhere within your network

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Dräger Safety AG & Co. KGaA

Revalstraße 1
23560 Lübeck
Germany
Tel: +49 800 882 883 0

Corporate Headquarters

Drägerwerk AG & Co. KGaA

Moislinger Allee 53–55
23558 Lübeck
Germany