

Dräger VarioGard® 33x0 IR Transmitter Flammable Gas Detection

The Dräger VarioGard® 33x0 IR is a digital transmitter with an integrated infrared optical sensor. It detects flammable gases like methane and LPG as well as carbon dioxide in the ambient air. This cost effective system component makes it easier for you to configure a gas warning system.



Benefits

Digital function

The Dräger VarioGard 33x0 IR is connected to the controller via a 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 Dräger VarioGard 33x0 IR is equipped with an infrared optical DrägerSensor. This sensor measures the concentration of flammable gases and carbon dioxide 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 configured limit values.

Easy operation

Operation is extremely easy. You can set all configurations easily 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 33x0 IR is adaptable to your needs. This means that you have different gas libraries available depending upon the desired use:

For example, the 3300 IR Ex detects LPG for garages and CH₄ for methane monitoring that does not require explosion protection.

The 3320 IR CO₂ is used for the detection of carbon dioxide in the ambient air in breweries and wine cellars, for instance.

In addition, you can place the cable inlets on any of the four sides of the transmitter. The transmitter can be mounted vertically as well as horizontally.

Accessories

ST-5673-2006



Magnetic Wand for menu access

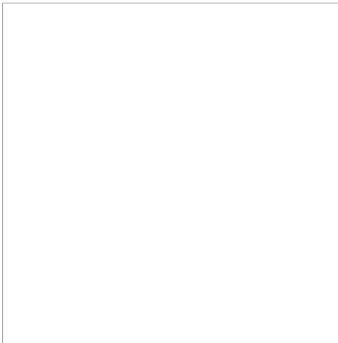
Simple and fast calibration (zero-point and sensitivity) of the transmitter, feedback through status lights.

ST-5690-2006

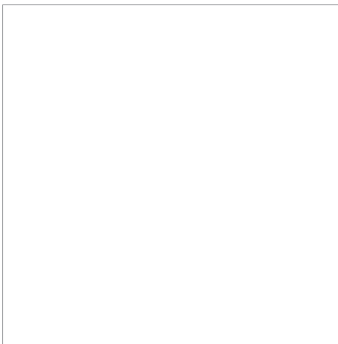


Cable gland

Additional cable gland (M20 x 1.5) for complex systems.



Software-Kit VarioGard® 3x00 (incl. USB adapter)



Calibration adapter VarioGard® 3x00

Related Products



Dräger VarioGard Central Unit

The Dräger VarioGard Central Unit is at the center of a cost-efficient, modular gas detection system. A digital Bus makes it possible to connect and manage up to 100 transmitters for various gases.

Technical Data

Type	Transmitter for the measurement of concentrations of gases in ambient air	
Gases and measuring ranges	CO ₂	0 to 5 vol. %
	CH ₄	0 to 100 % LEL
	LPG	0 to 100 % LEL
Display	3-colour LED (green, yellow, red): operation, maintenance, alarm	
Input	2 function buttons	
Alarm output	Horn and red LED	
Alarms	8 configurable alarm limits	
Electrical data	3-wire cable 16 to 30 V DC, GND, Dräger VarioGard® bus	
Ambient conditions	Temperature	-20 to 50 °C
	Humidity	10 to 95 % r. h., non-condensing
	Pressure	700 to 1,300 hPa
Dimensions (with a cable inlet)	120 x 110 x 60 mm (W x H x D) aluminium	
Weight	1.0 kg aluminium	
Housing	Aluminium light grey RAL 7035 IP 65	
Cable inlet	M20 x 1.5, 6 – 12 mm	

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