



# Dräger VarioGard® 2320 IR Detector for toxic gases and oxygen

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The Dräger VarioGard® 2300 IR is a transmitter with a 4-20 mA output signal and integrated infrared sensor. It detects carbon dioxide in non Ex areas, such as breweries and wineries.

# Benefits

## High reliability

The Dräger VarioGard 2320 is equipped with highly precise infrared optical sensors, significantly reducing the occurrence of false alarms, ensuring that it only alerts when genuine danger is present. Moreover, the IR sensors demonstrate exceptional durability and infrequent recalibration requirements. Additionally, these sensors exhibit resistance to external elements in the surrounding air, mitigating the risk of sensor damage.

## Simple set-up and handling

The Dräger VarioGard 2320 offers effortless installation and operation, eliminating the need for specialised knowledge or training. All devices are pre-configured before delivery, eliminating the need for additional setup. Furthermore, future maintenance of the device requires only a few tools, such as a magnetic wand, calibration adapter and test gas.

## Variable measuring ranges

With the Dräger VarioGard 2320 for carbon dioxide, you can switch between the measuring range end values in ppm for occupational exposure limit monitoring and vol.-% for leakage monitoring.

## Standardised output signal

Thanks to its standardized 4 to 20 mA signal, the Dräger VarioGard product family can be combined with any control system and can also be integrated into existing systems.

## 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.

# Details



D-15318-2023

Dräger VarioGard® 2320 IR during normal operation



D-15319-2023

Dräger VarioGard® 2320 IR during normal operation



D-15320-2023

Dräger VarioGard® 2320 IR during normal operation

# System Components



ST-5647-2006

## Dräger REGARD® 2400 and REGARD® 2410

Dräger REGARD® 2400 and 2410 are flexible small control units for detection of toxic gases and oxygen as well as combustible gases and vapours. Combined with the Dräger transmitters or sensing heads Dräger REGARD® 2400 or 2410 forms a low-maintenance gas detection system for reliable protection.



D-1130-2010

## Dräger REGARD® 3900 Series

The devices of the Dräger REGARD® 3900 series can be used as standalone controllers. You can configure up to 16 measuring channels. In addition, the modular setup enables you to customise the control units to the demands of your plant. You can also embed further features to existing alarms.

# Accessories

ST-5690-2006



**Cable inlet M20 x 1.5 (set of 10)**

D-5952-2014



**Calibration adapter VarioGard**

D-2215-2015



**Test gas**

D-85363-2013



**Magnetic wand (blue)**

for menu access

# Technical Data

## Dräger VarioGard® 2320 IR

Type	Transmitter for the measurement of concentrations of gases in the ambient air
Gases and measuring ranges	CO <sub>2</sub> 0 to 5 Vol.-%
Display	3-colour LED (green, yellow, red): Operation, Maintenance, Alarm
Input	2 function buttons
Alarm output	Horn and red LED
Alarms	8 adjustable alarm thresholds

## Electrical Data

Wiring	3-wire
Communication	4 to 20 mA
Supply voltage	16 to 30 VDC

## Housing

Material	Plastic ABS light grey RAL 7035
Protection Class	IP65
Dimensions	124mm x 94mm x 63mm (W x H x D)
Weight	400 g
Cable inlet	M20 x 1,5; 6 to 12 mm

## Housing

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# Ordering Information

## Dräger Dräger VarioGard® 2320 IR

Dräger Dräger VarioGard® 2320 IR	
Dräger VarioGard® 2320 IR CO <sub>2</sub>	37 21 955

## Accessories

Accessories	
Magnetic Wand	45 44 101
Calibration adapter VarioGard® 3x0/23x0	83 22 015
Cable inlet M20 x 1.5 (set of 10)	83 15 420
Software-Set VarioGard® (incl. USB Adapter)	83 22 016
Instruction for Use VarioGard® 23x0	90 33 492

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**CORPORATE HEADQUARTERS**

**Drägerwerk AG & Co. KGaA**

Moislinger Allee 53-55  
23558 Lübeck, Germany  
[www.draeger.com](http://www.draeger.com)

**REGION MIDDLE EAST, AFRICA**

**Dräger Safety AG & Co. KGaA**

Branch Office  
P.O. Box 505108  
☎ +971 4 4294 600  
☎ +971 4 4294 699  
✉ [contactuae@draeger.com](mailto:contactuae@draeger.com)

**Region Europe**

**Dräger Safety AG & Co. KGaA**

Revalstraße 1  
23560 Lübeck, Germany  
☎ +49 451 882 0  
☎ +49 451 882-2080  
✉ [info@draeger.com](mailto:info@draeger.com)

**REGION ASIA PACIFIC**

**Draeger Singapore Pte. Ltd.**

61 Science Park Road  
The Galen #04-01  
Singapore 117525  
☎ +65 6872 9288  
☎ +65 6259 0398  
✉ [asia.pacific@draeger.com](mailto:asia.pacific@draeger.com)

**Manufacturer**

**Region Central and South America**

**Dräger Indústria e Comércio Ltda.**

Al. Pucurui - 51 - Tamboré  
06460-100 Barueri, São Paulo  
☎ +55 (11) 4689-4900  
✉ [relacionamento@draeger.com](mailto:relacionamento@draeger.com)



Locate your Regional Sales Representative at:  
[www.draeger.com/contact](http://www.draeger.com/contact)