



Dräger VarioGard® 2300 IR Detector for flammable gases and vapours

The Dräger VarioGard® 2300 IR is a transmitter with a 4-20 mA output signal and integrated infrared sensor. It detects flammable gases such as methane and LPG in non Ex areas, such as underground garages and laboratories.

Benefits

High reliability

The Dräger VarioGard 2300 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 2300 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.

Gas library

The VarioGard 2300 allows for easy customisation to suit your specific application by choosing between methane and liquid petroleum gas (LPG) options from the gas library.

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® 2300 IR during normal operation



D-15319-2023

Dräger VarioGard® 2300 IR in case of fault or malfunction



D-15320-2023

Dräger VarioGard® 2300 IR with gas alarm

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® 2300 IR

Type	Transmitter for the measurement of concentrations of gases in the ambient air	
Gases and measuring ranges	LPG	0 to 100 % LEL
	Methane	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 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

Ambient Conditions

Temperature	-20 °C to +50 °C / -4 °F to +122 °F
Humidity	10 to 95 % RH, non-condensing
Pressure	700 to 1,300 hPa / 23.6 to 32.5 inch Hg

Ordering Information

Dräger Dräger VarioGard® 2300 IR

Dräger VarioGard® 2300 IR EX	37 21 953
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Accessories

Magnetic Wand	45 44 101
Calibration adapter VarioGard® 3xx0/23x0	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

Region Europe

Dräger Safety AG & Co. KGaA

Revalstraße 1
23560 Lübeck, Germany
☎ +49 451 882 0
☎ +49 451 882-2080
✉ 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

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

Manufacturer

Region Middle East, Africa

Drägerwerk AG & Co. KGaA

Branch Office
P.O. Box 505108 Dubai, United Arab
Emirates
☎ +971 4 4294 600
☎ +971 4 4294 699
✉ contactuae@draeger.com



Locate your Regional Sales
Representative at:
www.draeger.com/contact