

Dräger PointGard 2200 Detection of flammable gases and vapours

The Dräger PointGard 2200 series is a self-contained gas detection system for the continuous area monitoring of flammable gases and vapours in ambient air. PointGard 2200's rugged, water-resistant housing comes complete with a horn and strobes, a built-in power supply, and reliable DrägerSensor®.



Benefits

Ready to use out of the box

PointGard is a self-contained gas detection alarm system that is easy to install and commission. Just mount it on a wall and hard wire it to an AC/DC power or plug in the optional AC power cord. Since the strobes and horn are built in, there is no need to specify and purchase separate alarm output devices. The pre-calibrated sensor is ready to use.

Fast and stable flammable gas detection

The gas sensor type DD is based on the proven catalytic bead principle. Innovative dual active elements result in very good long-term zero stability. The long service life is resulting from a good poison resistance and provides you with low ownership costs. The innovative gas inlet allows the sensor to respond to gas within a matter of seconds.

Flexible communications

PointGard can accommodate additional external alarm devices through its three built-in relays. In addition, a 4–20 mA signal output allows integration into a larger gas detection system.

Rugged and compact housing

PointGard's glass fiber reinforced polyester housing is water and dust resistant with a 4X/IP66 rating. Its compact size allows it easily to fit most applications. Built-in cable glands make it easy to install.

Advanced display with diagnostics

The large, illuminated backlit graphic display shows status information clearly and in a format that's easy to use. The measured gas concentration, selected gas type, and measuring unit are displayed during normal operation. Coloured LEDs (green, yellow, and red) provide additional alarm and status information. Advanced diagnostics log events and gas readings, which can be displayed and a graph created on the display.

Monitor remote areas up to 30 meters away

For Cat Ex sensors, flameproof “Ex d” and increased-safety “Ex e” remote sensor enclosures are available for use in hazardous atmospheres.

Accessories



D-136893-2010

Remote housing for Cat Ex sensor type “e”

The Polytron® SE EX combustible gas sensor head can be placed up to 30 metres away from the PointGard 2200. ATEX and IECEx zones 1 and 2, as well as zones 21 and 22, allow for operation in hazardous areas. Please note that the 3 core cable is not included.



D-86323-2013

Remote housing for Cat Ex sensor type “d”

An aluminum or 316 stainless-steel explosion-proof housing allows the operation of the CAT Ex sensor in a div. 1 or div. 2 hazardous area up to 30 metres away from the PointGard 2200. Please note that the 3 core shielded cable is not included.

Related Products



D-7360-2016

Dräger PointGard 2100

The Dräger PointGard 2100 series is a self-contained gas detection system for the continuous area monitoring of toxic gases in ambient air. PointGard 2100's rugged, water-resistant housing comes complete with a horn and strobes, a built-in power supply, and reliable DrägerSensor®.

Technical Data

Dräger PointGard 2200 CAT Ex		Flammable gases in ambient air	
Type	Self-contained gas monitor with alarm devices for general-purpose applications		
Measuring Range	Catalytic bead (CAT Ex) sensor	0–100% LEL	
Display and controls	LCD display	75 mm/3" backlit graphic LC display	
		Selectable red or green illumination, alphanumeric	
	Indicators	3 status LEDs (green/yellow/red)	
	Operation	Through three front mounted push buttons	
	Security	Separate passwords for maintenance and configuration menu	
	Functions	Event and data logger with a capacity of up to 35,000 records	
		Warning and error messages displayed in plain text	
Passwordless bump-test mode inhibits alarms			
	Automatic calibration mode for zero and span		
Electrical data	Signal output analog	Normal operation	4–20 mA
		Maintenance	Constant 3.4 mA or 4 mA ±1 mA 1 Hz modulation (adjustable)
		Fault	<1.2 mA
		Power supply AC version	Operating voltage
		Nominal power	6 W
		Operating current (max)	0.5 A
		Inrush current	Max. 40 A at 230 VAC 50 Hz
	Power supply DC version	Operating voltage	8–30 VDC
		Nominal power	6 W
		Operating current (max)	2.5 A
	Electrical certification	CE rating, IEC/EN 61010-1	
		Complies with UL 61010-1	
		Class B device, residential use compliant with ICES-3(B)/NMB-3(B)	
	Relay specification	2 alarm relays and 1 fault relay	
		SPDT contact 5 A @ 230 VAC, 5 A @ 30 VDC, resistance bound	
		Alarm reset through front-mounted push button	
	Alarm devices	Amber and red LED strobes to indicate A1 and A2 with different blink patterns	
Green status LED and red strobe to indicate fault/alarm and A1/A2			
85-105 dB adjustable-volume buzzer with continuous and pulsating tone			
Environmental conditions (see sensor data sheet)	Temperature (storage)	-20 to +65 °C/-4 to +149 °F	
	Temperature (operation)	-20 to +50 °C/-4 to +122 °F	
	Humidity	0 to 95% r. h., noncondensing	
	Pressure	20.7 to 38.4" Hg/700 to 1,300 hPa	
Housing	Material	Glass fiber reinforced polyester (GFRP)	
	Mounting	Wall mount with internal screws or optional SS mounting brackets	
	Housing protection type	NEMA 4X, IP66 (pending); indoor or outdoor use	
	Housing certification	UL 508A/50/50E; CSA C22.2 94.1/94.2/14–13	
	Cable entry point	3 cable glands, M20	
	Size (L x W x D)	255 x 280 x 120 mm/10 x 11 x 4.7"	
	Weight	2.5 kg/5.5 lb	

Ordering Information

Dräger PointGard 2200 CAT (Order Remote Enclosure Separately)

Dräger PointGard 2200 CAT AC Power (CAT Ex Sensor included)	83 26 421
Dräger PointGard 2200 CAT AC for Remote (CAT Ex Sensor not included)	83 26 422
Dräger PointGard 2200 CAT DC Power (CAT Ex Sensor included)	83 26 424
Dräger PointGard 2200 CAT DC for Remote (CAT Ex Sensor not included)	83 26 425
Dräger PointGard 2200 CAT AC Power w/ Green Steady Light (CAT Ex Sensor included)	83 26 427
Dräger PointGard 2200 CAT AC for Remote w/ Green Steady Light (CAT Ex Sensor not included)	83 26 468

Dräger PointGard 2200 CAT Accessories

Remote Sensor Explosion-Proof Junction Box Aluminum (w/o sensor)	45 44 099
Remote Sensor Explosion-Proof Junction Box Stainless Steel (w/o sensor)	45 44 098
DrägerSensor® CAT Ex DD with NPT thread 0–100% LEL	68 12 380
Remote Enclosure Flameproof Polytron SE Ex (w/ sensor)	68 12 711

Dräger PointGard 2000 Series Common Accessories

Mounting Bracket Set (not included in Dräger PointGard)	83 26 497
Splash Guard	68 12 510
Calibration Adapter Viton®	68 10 536
IR Connection Kit for PC configuration and upgrades	45 44 197
LED Steady Beacon, green	83 26 419
AC Power Cable Brazil	83 26 448
AC Power Cable Europe	83 26 449
AC Power Cable UK	83 26 450
AC Power Cable USA	83 26 451
AC Power Cable Australia	83 26 452

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Notes

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