

## Dräger X-node Indoor and Outdoor Gas Monitoring

The wireless Dräger X-node is a measurement and analysis system for continuously monitoring gas concentrations. It simultaneously measures the ambient temperature, humidity and pressure. The measured values can be transferred to a database in real time via a LoRa network and to your smartphone via Bluetooth®.



## Benefits

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### Flexible to use

The causes of unwanted gas concentrations can be various: small gas leaks, vapours, decanting processes of gases and liquids or perhaps even the CO<sub>2</sub> content of the exhaled air. This is not only about a possible health hazard, it can also be a question of avoiding damage, optimising production processes or the loss of resources. This is where the Dräger X-node can help you. With its reliable DrägerSensors, the transmitter continuously monitors the concentration of gases and simultaneously measures temperature, relative humidity and air pressure.

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### Features of the measuring head

The measuring head of the X-node does not need a cable for either data transfer or power supply, allowing it to be positioned in a wide variety of locations. This applies to both indoor and outdoor areas, as the transmitter has a robust housing with protection class IP 65. A clearly visible LED display informs you at all times about the status of the unit: operation, fault, limit value exceeded. The lithium-polymer battery supplies the X-node with power for up to 12 months and can be conveniently recharged via a micro-USB interface. With the help of a LoRa network, the X-node transmits the measured data to a corresponding software backend.

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### Reliable sensor technology

The X-node detects gases using industrially proven DrägerSensors characterised by a fast response time, high accuracy, great stability and long service life. The plug-and-play sensors can be easily inserted into the measuring head without tools. Sensors for detecting the gases Cl<sub>2</sub>, CO, CO<sub>2</sub>, H<sub>2</sub>, H<sub>2</sub>O<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, NO, NO<sub>2</sub>, O<sub>2</sub> and O<sub>3</sub> are currently available for the X-node - others on request.

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### Control via app

You can also access the X-node from your mobile phone via a Bluetooth connection. For example, you can carry out a configuration of limit values, make an adjustment or have the current measured values displayed.

## Related Products



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### Dräger Sampling Tubes and Systems

The Dräger Sampling Tubes and Systems are very reliable in use even with complex compounds and mixtures of substances.

## Technical Data

### Dräger X-node

Automation	Information via app and web applications
Measuring gases	Cl <sub>2</sub> , CO, CO <sub>2</sub> , H <sub>2</sub> , H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> S, NH <sub>3</sub> , NO, NO <sub>2</sub> , O <sub>2</sub> , O <sub>3</sub>
	Further gases on request

### Electrical data

Battery type	Lithium polymer battery
Battery life	Up to 12 months
Operating voltage	3.6 V
Alarm/ Display	3-colour LED
Interface	BLE and LoRa

### Housing

Housing material	Polycarbonate
Protection class	IP65
Dimension	Ca. 170 x 90 mm
Weight	Ca. 300 g

### Environmental conditions

Temperature	-20° C to +50° C
Humidity	5% to 95% r.h.
Pressure	700 hPa to 1300 hPa

### Approval

CE	Electrical safety
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## Ordering Information

<b>Dräger X-node</b> Transmitter including DrägerSensor®	37 23 669	
<b>Dräger X-node</b> Transmitter without DrägerSensor®	56 01 008	
<b>Sensor</b>	<b>Measuring range</b>	<b>Order number</b>
DrägerSensor® CO <sub>2</sub> IR	0 - 10,000 ppm	68 00 482
DrägerSensor® Cl <sub>2</sub>	0 - 100 ppm	68 09 665
DrägerSensor® CO	0 - 1,000 ppm	68 09 605
DrägerSensor® H <sub>2</sub>	0 - 3,000 ppm	68 09 685
DrägerSensor® H <sub>2</sub> O <sub>2</sub> HC	0 - 7,000 ppm	68 09 675
DrägerSensor® H <sub>2</sub> O <sub>2</sub> LC	0 - 300 ppm	68 09 705
DrägerSensor® H <sub>2</sub> S LC	0 - 100 ppm	68 09 610
DrägerSensor® NH <sub>3</sub> AL	0 - 100 ppm	68 13 735
DrägerSensor® NH <sub>3</sub> FL	0 - 300 ppm	68 13 260
DrägerSensor® MEC NO	0 - 200 ppm	68 12 785
DrägerSensor® NO <sub>2</sub> LC	0 - 20 ppm	68 13 205
DrägerSensor® MEC O <sub>2</sub>	0 - 25 Vol%	68 12 740
DrägerSensor® O <sub>3</sub>	0 - 5 ppm	68 14 005

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

## Notes

## Notes

Not all products, features, or services are for sale in all countries.  
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