

Dräger Edge Device Cloud solution for gas detection systems

Transform your REGARD gas detection system into a smart IIoT solution. The Dräger Edge Device and Dräger Gas Detection Connect provide you with live data on various devices, historical analyses and automatic alarm notifications via email. Plan maintenance efficiently from a distance and save time and resources – and stay informed anytime, anywhere.

Benefits

Greater efficiency thanks to flexible data access

Keep an eye on your gas detection system anytime, anywhere, and boost your efficiency with our Dräger Edge Device, which seamlessly connects your REGARD gas detection system to the cloud. Together with Gas Detection Connect (GDC), you can view and visualise live and historical data from all measurement points and access it flexibly on a wide range of devices. The user-friendly dashboard and precise event list provide you with trend information and prioritise system alerts by urgency, whilst alarm sources can be located immediately to enable rapid action. GDC allows you to centrally manage all system data, offers automatic software updates and enables the integration and combination of various device data for a comprehensive overview and efficient management. This allows you to keep track of detailed and comprehensive data, particularly in systems with a large number of measurement points, and interpret it effectively. Take your gas detection system to the next level; start reaping the benefits of your REGARD gas detection system today – whether REGARD 3000, REGARD 3000 plus or 7000 – and make it a future-proof component of your IIoT solution.

For added safety

In the event of an alarm, you and authorised personnel – such as the plant fire brigade – will simultaneously receive all the necessary information to take the correct action immediately. You can choose to be notified of alarms and important system events either immediately or at set times via email. The direct overview you receive even before setting out is particularly valuable: Which gas is leaking, at what concentration, and where is the transmitter triggering the alarm? What specific alarms and information are being sent? This knowledge is crucial for accurately assessing the hazard and optimally coordinating countermeasures. You can see exactly which transmitter is reporting a gas concentration and where, enabling you to effectively direct the response from the outset.

Reduced service effort

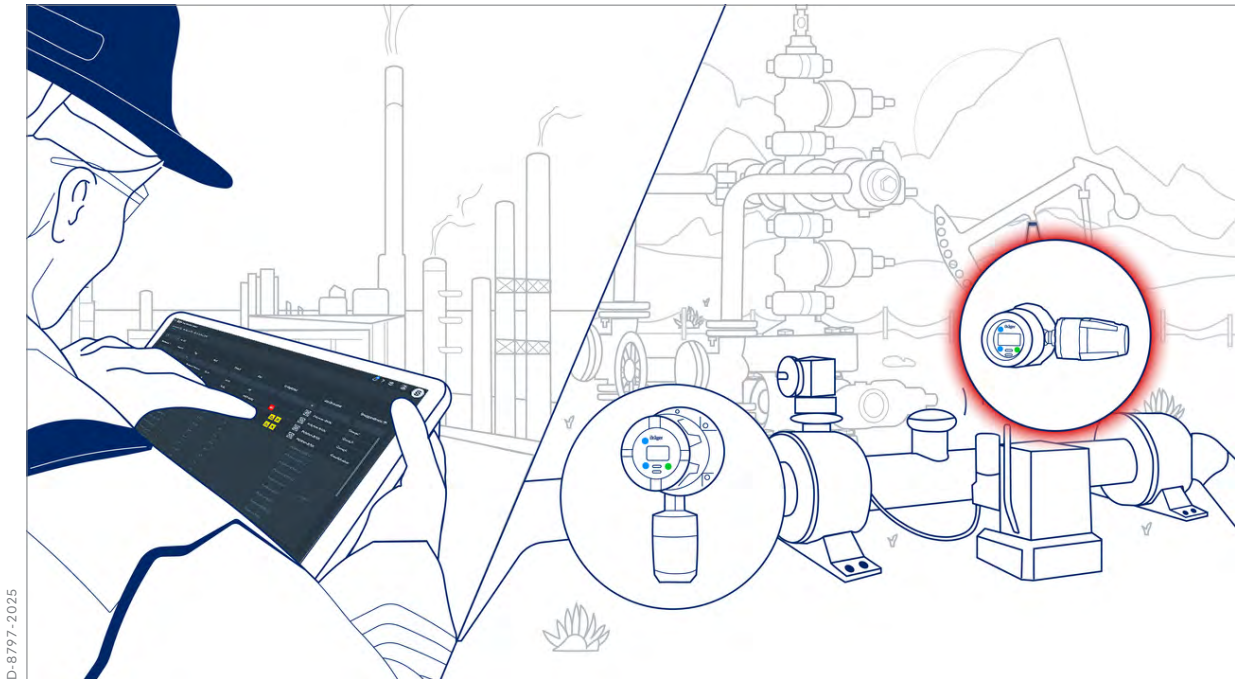
With the Dräger Edge Device, you are fully prepared for service work, as you have all the relevant information to hand in advance and do not need to collect data on site. Remote access to your REGARD gas detection system enables proactive and efficient planning of maintenance work, so that your service team can carry out assignments in a targeted and time-saving manner. Thanks to continuous condition monitoring, your team can carry out maintenance work as and when required and adjust maintenance intervals where necessary. Whether from your desk or on the move – you can keep an eye on the status of your gas detection transmitters anytime, anywhere. This transparency facilitates precise planning and avoids unnecessary travel, making service activities considerably more efficient.

Secure data transmission

Your data is transmitted reliably and in accordance with the latest security standards, such as the IEC 62443 IT security standard, thereby offering maximum protection against cyber threats. If you do not wish to store your data in the cloud, direct access via an OPC-UA server is available as a secure alternative. This gives you full control over your gas detection system's data at all times and allows you to decide flexibly how to access it.

Combining fixed and portable gas detection technology

Combine your fixed and portable gas detection technology to create a comprehensive safety solution. In the digital age, data is invaluable, including in gas detection. To ensure maximum safety, data from portable gas detectors can be linked with that from fixed gas detection systems. With Gas Detection Connect as the central platform and the Dräger Edge Device, data from your fixed gas detection transmitters is intelligently combined with that from mobile single- or multi-gas detectors.



D-8797-2025

The Dräger Edge Device provides a complete overview of the current status of the gas detection system. It can also be accessed remotely from any internet-enabled device and without installation.

System Components

D-3967-2025



Dräger REGARD 3000 plus

The Dräger REGARD 3000 plus is a flexible control system that reliably monitors hazardous areas in your gas detection system and triggers alarms. Its modular design adapts to different system sizes and can be configured centrally or locally. A user-friendly dashboard and clear alarms provide transparency and safety.

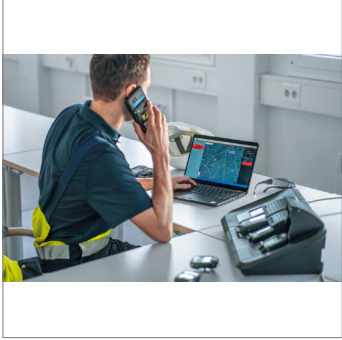
D-1501-2022



Dräger REGARD 7000

The Dräger REGARD 7000 is a modular and therefore highly expandable control system for monitoring various gases and vapours. Suitable for gas warning systems with various levels of complexity and numbers of transmitters, the Dräger REGARD 7000 also features exceptional reliability and efficiency. An additional benefit is the backward compatibility with the REGARD.

D-40484-2021



Gas Detection Connect

Dräger Gas Detection Connect is your connection to the digital future of occupational safety. The system connects individual Dräger products through a smart software solution. Thanks to location- and time-independent access, you manage your equipment optimally and always have the position and status of your gas detection equipment and workers available. So you can protect your workforce and increase the efficiency of your plant at the same time.

Services

D-2331-2016



Product service

Our product service department is here to support you with a range of service packages – in our shops or on site at your facility. Care, servicing and maintenance are key factors when it comes to safety. Diligent maintenance and care are also absolutely necessary from an economic perspective. Preventive checks, service procedures and original replacement parts ensure your investment lasts longer.

D-2335-2016



Training

The Dräger Academy has been sharing its sound, practical knowledge for over 40 years. With more than 110 authorised trainers and over 600 topics, we run more than 2,400 training sessions a year. We provide your staff with practical knowledge and ensure that what they learn can be applied effectively, both on a day-to-day basis and more importantly, in critical situations. We're also happy to develop a custom-made training programme just for you.

DMC-113917



Sustainability strategy

Together with our employees, suppliers and partners, we are creating a healthier, safer and more environmentally friendly world. Our solutions protect lives, conserve resources and pursue the goal of climate neutrality by 2045.

With "Smart Safety", we are increasing occupational safety through networked devices and data analysis. We are supporting the transformation of industrial sectors and continuously improving sustainability through eco-design and material savings.

More information here <https://www.draeger.com/Sustainability>

Technical Data

Dräger Edge Device

CPU	Intel Atom x7-E3950 4x 1.6 GHz, 12 W
Main memory	8 GB
Mass storage device	32 GB eMMC
Operating system	Linux Yocto
External power supply	24 VDC (± 20 %)

Ambient conditions

Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +85°C
Humidity	5 – 93% r.h., non-condensing
Pressure	700 – 1300 hPa
Height	Max. 2000 m above sea level

Housing specifications

Protection rating	IP20
Dimensions	150 x 58 x 100 mm (2.23" x 5.91" x 3.94")
Weight	Approx. 1 kg (2.2 lbs)

Ordering Information

Dräger Edge Device

Dräger Edge Device	3737568
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Dräger Gas Detection Connect

GDC Configurator Standard	3740515
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GDC Standard Core License	3739670
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GDC Transmitter License	3739674
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GDC Enterprise License	3739675
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