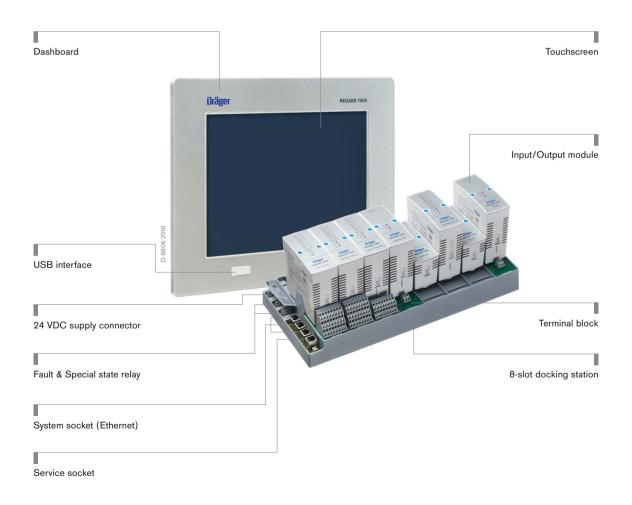


Dräger REGARD® 7000 Control System

The Dräger REGARD® 7000 is a modular and therefore highly expandable analysis 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®.



Benefits

Individual and highly compatible

The Dräger REGARD 7000 has been designed to meet individual requirements and suit a wide range of different infrastructures. It processes analogue transmitter signals and supports remote access via HART®. In addition the REGARD 7000 provides a Modbus-Master interface¹. Modbus RTU, PROFIBUS®² and PROFINET®² interfaces enable information in higher-level systems to be processed. Complex alarms can be fitted to suit your individual requirements, and switching delays can be configured to optimise your processes. The modular structure of the REGARD 7000 makes it possible to adapt the design of the system to suit your exact needs. The system can be altered or extended with ease. You can also connect existing REGARD equipment to the new REGARD 7000. The advantages of the REGARD 7000 in terms of overview and documentation can therefore be translated to the entire system.

Safe and secure with minimal false alarms

The REGARD 7000 uses a 'masterless' system architecture. This prevents the entire system from failing if one component fails (single point of failure). It also makes it easier to add on independent subsystems. The use of optimised software filters in signal preparation, the option of suppressing the alarm and the comparison of analogue and digital transmitted measurement values mean that false alarms are prevented more effectively than ever before. Special signals (errors, warnings, etc.) that are transmitted in analogue form are always correctly identified, facilitating the assessment process.

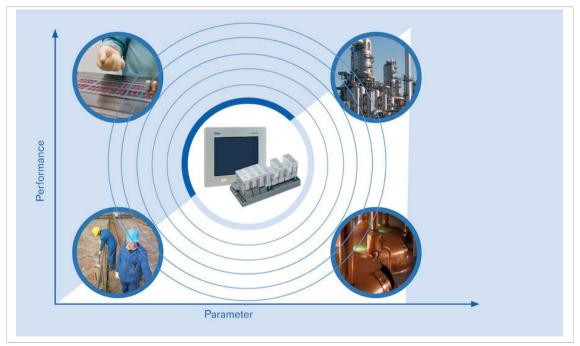
Optimal installation and configuration

Channel configuration is made significantly faster and more secure using metadata, transmitted via HART®, from the transmitter or the configuration assistant. The logical restrictions on the possible manual settings effectively prevent incorrect configurations. The REGARD 7000 supports operation by preparing documents directly at the source. A simple menu structure and user-friendly displays on the dashboard, as well as the easy-to-learn operation and the associated symbols, ensure that operation is as safe and secure as possible. You can prepare the configuration via PC software offline and upload it to the system later. The wiring can be clearly structured and tidied away before the main components are installed.

Maintenance and documentation — as efficient as possible

The REGARD 7000 is able to use HART® communication, thereby making it possible to maintain your gas warning system much more efficiently. It allows you to access all connected HART®-enabled transmitters remotely from a central point. This ensures better preparation of maintenance work with respect to the provision of materials and tools. It also makes it easier to guide service personnel with greater accuracy. Simulations can be started on the transmitter via remote access³, for example to test allocations. The documentation frequently required by monitoring institutions, for example, can also be generated by the REGARD 7000. This documentation is made available without the need for additional tools.

Control unit for facilities of any complexity



Whether sewage management, brewery, pharmaceutical or chemical industry: The modular control unit Dräger REGARD® grows with its tasks. It is suited for the monitoring of small to big sites of any complexity.

System Components



Dräger PIR 7000

The Dräger PIR 7000 is an explosion proof point infrared gas detector for continuous monitoring of flammable gases and vapours. With its stainless steel SS 316L enclosure and drift-free optics this detector is built for the harshest industrial environments, e.g. offshore installations.

System Components



Dräger Polytron® 7000

The Dräger Polytron® 7000 is a gas detector that can satisfy many toxic and oxygen gas measurement applications on a single platform. It meets the requirements of the compliance market as well as the high specification requirements of customised solutions.



Dräger Polytron® 8200 CAT

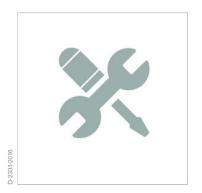
The Dräger Polytron® 8200 CAT is an advanced explosion-proof transmitter for the detection of flammable gases in the lower explosion limit (LEL). It uses a catalytic bead DrägerSensor® Ex... DD that will detect most flammable gases and vapours. In addition to a 3-wire 4 to 20-mA analogue output with relays it also offers Modbus and Fieldbus protocols, making it compatible with most control systems.



Dräger Flame 2570 (UFI)

Extreme short response time and high reliablility against false alarms characterise the Dräger Flame 2570. The ultra fast triple IR flame detector detects hydrocarbon based fire to distance of up to 90 metres.

Services



Product Service

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



Training

The Dräger Academy has imparted well-founded and practical knowledge for over 40 years. With over 110 authorized trainers and more than 600 available topics, we conduct more than 2,400 training sessions per year. We equip your employees with the knowledge required for real-life situations and ensure that the learned material can be recalled and applied reliably – in their everyday work and especially in stressful situations. To meet your needs, we are also happy to develop a customized training program specifically for you.

Related Products



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.

	Dräger REGARD® 70 (without Dashboard		Dashboard
Temperature	0 to 55 °C / 32 to 13	•	0 to 50 °C / 32 to 122 °F
Temperature	(during operation)	,, ,	(during operation)
	-40 to +65 °C / -40 t	to 149 °F (in storage)	-20 to +60 °C / -4 to 140 °F (in storage)
Humidity	5 to 95% RH, non-co		20 to 90% RH, non-condensing
Turnaty	0 10 30 % 1(11, 11011 0(ondensing	(during operation)
			5 to 90% RH, non-condensing
			(in storage)
Pressure	700 to 1,300 hPa		700 to 1,300 hPa
Height	max. 2,000 m (6,561	1 ft) above sea level	max. 3,000 m (9,842 ft) above sea leve
	(only applies to Rela	•	
System reaction times			
Transmission of measurement value	es and status information in	typically 1 s	
Dräger REGARD® 7000		max. 3.3 s	
-			
Setting times			
t20		<3 s	
t50		<3 s	
t90		<3 s	
The setting times are independent	of the sample gas.		
Time to measurement readiness			
		<30 e	
After switching on the Dräger REG	iARD* 7000	<30 s	
After switching on the Dräger REG	iARD° 7000	<30 s	
		<30 s	
Dräger REGARD® 7000 Advanced	I Dashboard 6RU		
Dräger REGARD® 7000 Advanced	I Dashboard 6RU 24 V (19.2 to 28.8 V)) DC	
Dräger REGARD® 7000 Advanced Operating voltage Current draw	Dashboard 6RU 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V DO) DC	(H v W v D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm /) DC	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions	Dashboard 6RU 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V DO) DC	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V DO 266 x 483 x 68 mm / 3,800 g / 8.16 lbs) DC	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V DO 266 x 483 x 68 mm / 3,800 g / 8.16 lbs) DC C / 10.47 x 19.02 x 2.68"	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage	Dashboard 6RU 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V DO 266 x 483 x 68 mm / 3,800 g / 8.16 lbs) DC C / 10.47 x 19.02 x 2.68"	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0) DC C / 10.47 x 19.02 x 2.68"	
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0) DC C / 10.47 x 19.02 x 2.68"	
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Weight	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs) DC C / 10.47 x 19.02 x 2.68"	
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" (
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage	Dashboard 6RU) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" (
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dräger REGARD® 7000 Advanced Operating voltage Current draw	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0) DC C 7 10.47 x 19.02 x 2.68") DC C 111.26 x 13.66 x 2.68" ((H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions	Dashboard 6RU) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" ((H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Weight	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0 132,5 x 483 x 155,5 to 2490 g / 5.49 lbs) DC C 7 10.47 x 19.02 x 2.68") DC C 111.26 x 13.66 x 2.68" ((H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Weight	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0 132,5 x 483 x 155,5 to 2490 g / 5.49 lbs) DC C 7 10.47 x 19.02 x 2.68") DC C 111.26 x 13.66 x 2.68" ((H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Dockings	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0 132,5 x 483 x 155,5 i 2490 g / 5.49 lbs) DC C 7 10.47 x 19.02 x 2.68") DC C 111.26 x 13.66 x 2.68" ((H x W x D) (H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Current draw Dimensions Weight Dräger REGARD® 7000 Dockings Terminal clamps	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0 132,5 x 483 x 155,5 i 2490 g / 5.49 lbs) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" () DC C mm / 5.0 x 19.02 x 6.1"	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Dockings Terminal clamps Operating voltage	24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 266 x 483 x 68 mm / 3,800 g / 8.16 lbs I Dashboard PM 24 V (19.2 to 28.8 V) Typ. 1.0 A at 24 V D0 286 x 347 x 68 mm / 3,700 g / 8.16 lbs I Dashboard 3RU 24 V (19.2 to 28.8 V) Typ. 0.7 A at 24 V D0 132,5 x 483 x 155,5 n 2490 g / 5.49 lbs tation 8-slot Plug-in contacts for v) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" () DC C mm / 5.0 x 19.02 x 6.1"	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dräger REGARD® 7000 Advanced Operating voltage Current draw	Dashboard 6RU) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" () DC C mm / 5.0 x 19.02 x 6.1"	(H x W x D)
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Dockings Terminal clamps Operating voltage	Dashboard 6RU) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" () DC C mm / 5.0 x 19.02 x 6.1"	(H x W x D) (H x W x D) 0.08 to 2.5 mm ²
Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Advanced Operating voltage Current draw Dimensions Weight Dräger REGARD® 7000 Dockings Terminal clamps Operating voltage Current draw:	Dashboard 6RU) DC C / 10.47 x 19.02 x 2.68") DC C / 11.26 x 13.66 x 2.68" () DC C mm / 5.0 x 19.02 x 6.1"	(H x W x D) (H x W x D) 0.08 to 2.5 mm ² dules and connected transmitters)

SSR output	Min. 3.3 V, 10 mA, max. 30 V, 2 A switching capacity; the SSR output must be protected against overload	
Number of modules per docking station	Max. 8	
Dimensions	184 x 400 x 78 mm / 7.24 x 15.75 x 3.07" (H x W x D)	
Weight	2,600 g / 5.73 lbs	
Dräger REGARD® 7000 Dockingstation 4	-slot	
Terminal clamps	Plug-in contacts for wire cross sections of 0.08 to 2.5 mm ²	
Operating voltage	24 V (18 to 30 V) DC	
Current draw:	Max. 11 A	
	(independent of the number of installed modules and connected transmitters)	
Power loss	Max. 15 W at 24 V	
SFR output	Min. 5 V, 10 mA, max. 30 V, 2 A switching capacity;	
	the SFR output must be protected against overload	
SSR output	Min. 5 V, 10 mA, max. 30 V, 2 A switching capacity;	
	the SSR output must be protected against overload	
Number of modules per docking station	Max. 4	
Dimensions	183,5 x 213 x 78 mm / 7.22 x 8.37 x 3.07" (H x W x D)	
Weight	895 g / 5.73 lbs	
Dräger REGARD® 7000 4-20 mA Input Mo	odule	
Number of input channels	Max. 8	
Operating voltage	24 V (18 to 30 V) through docking station	
Transmitter supply voltage	Typically 24 V,	
, .	depending on the supply voltage of the docking station	
Transmitter supply current	Max. 500 mA per channel, with max. 4 inputs occupied	
	Max. 250 mA per channel, with 4 to 8 inputs occupied	
	Total transmitter supply current max. 2 A	
Voltage range for signal input	0 to 24 mA (short-circuit detection at 38 mA)	
Measurement precision	±0.05 mA ±0.002 mA/K (0 to 4 mA)	
•	±1.25% ±0.05%/K (4 to 24 mA)	
Current draw	Max. 2.1 A	
Power loss	Max. 5 W at 24 V	
Terminal block	24-pin, DC	
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)	
Weight	265 g / 0.58 lbs	
Dräger REGARD® 7000 4-20 mA Input Mo	odule c/w HART®	
Number of input channels	Max. 8	
Operating voltage	24 V (18 to 30 V) through docking station	
Transmitter supply voltage	Typically 24 V,	
Transmitter supply voltage	depending on the supply voltage of the docking station	
Transmitter supply current	Max. 500 mA per channel, with max. 4 inputs occupied	
панение варру ванен	Max. 250 mA per channel, with 4 to 8 inputs occupied	
	Total transmitter supply current max. 2 A	
Voltage range for signal input	0 to 24 mA (short-circuit detection at 38 mA)	
Measurement precision	±0.05 mA ± 0.002 mA/K (0 to 4 mA)	
	±1.25% ± 0.05%/K (4 to 24 mA)	
Current draw	Max. 2.1 A	
Power loss	Max. 5 W at 24 V	
Terminal block	24-pin, DC	
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)	
Weight	265 g / 0.58 lbs	
	200 8 . 0.00 ib0	

Transmission rate

Cable length

Cable type

Number of input channels	Max. 8	
Operating voltage	24 V (18 to 30 V) through docking station	
Channel output voltage	Typically 24 V,	
	depending on the supply voltage of the docking station	
Supply current of the connected input	Max. 400 mA per channel, with max. 4 inputs occupied	
elements	Max. 250 mA per channel, with 4 to 8 inputs occupied	
	Total supply current max. 2 A	
Standby current through EOL resistance	Configurable to 0 mA (line break detection switched off)	
-	and in the range of 5 to 400 mA	
Switching threshold	Configurable in the range of 3 to 400 mA	
Current draw	Max. 2.1 A	
Power loss	Max. 5 W at 24 V	
Terminal block	16-pin, DC	
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)	
Weight	265 g / 0.58 lbs	
Dräger REGARD® 7000 Gateway Module (I	Part of 83 24 872)	
Number of channels	1 channel, bidirectional;	
	One gateway module always occupies one port in the overall system	
Modbus RTU gateway and gateway module supply voltage	24 V (18 to 30 V) DC	
Gateway module current draw	Typ. 160 mA at 24 V	
Gateway module power loss	Max. 4 W at 24 V	
Modbus RTU gateway current draw	Typ. 80 mA at 24 V	
Modbus RTU gateway power loss	Max. 2.5 W at 24 V	
Transmission rate	Adjustable 9,600 to 921,600 baud	
Cable length between Dräger	Max. 5 m	
REGARD® 7000 Gateway O/P and Dräger		
REGARD® 7000 Modbus RTU Gateway		
Cable type	STP (shielded twisted pair), e.g. LAPP Unitronic® Bus LD	
Cable length RS-485 side	<57,600 baud max. 1,200 m	
-	<230,400 baud max. 500 m	
	<921,600 baud max. 120 m	
Terminal block	2-pin	
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)	
Weight	265 g / 0.58 lbs	
Calvania igalation hatusan Dräger RECARD	19 7000 and field hus aids through Madhus DTII Catavay	
	* 7000 and field-bus side through Modbus RTU Gateway	
Dräger REGARD® 7000 Modbus RTU Gate	•	
Dimensions	116 x 23 x 115 mm / 4.57 x 0.91 x 4.53" (H x W x D)	
Weight	130 g / 0.29 lbs	
Dräger REGARD® 7000 Bridge Module		
Current draw	Typ. 160 mA at 24 V	
Power loss	Max. 4 W at 24 V	
Number of channels	1 channel, bidirectional;	

One bridge module always occupies 99 ports in the overall system

4,800 baud

Max. 100 m

STP (shielded twisted pair),

	e.g. LAPP Unitronic® Bus LD		
Terminal block	2-pin		
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)		
Weight	265 g / 0.58 lbs		
Dräger REGARD® 7000 Relay Modul	le 240 V AC/240 V AC complex		
	·		
Number of output relays	8, each with one potential-free changeover		
Switching voltage	110 to 240 V AC		
Switching current	10 mA to 2 A; cosine phi ≥0.4		
Power consumption	Max. 100 mA (no relays activated)		
	Max. 200 mA (8 relays activated)		
Power loss	Max. 5 W at 24 V		
Update rate of switch outputs	0.5 s		
Terminal block	24-pin, 240 V AC		
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)		
Weight	340 g / 0.75 lbs		
Dräger REGARD® 7000 Relay Modu	e 24 V DC/24 V DC complex		
Number of output relays	8, each with one switch contact		
Switching voltage	3.3 to 24 V DC		
Switching current	10 mA to 2 A		
Power consumption	Max. 100 mA (no relays activated)		
	Max. 200 mA (8 relays activated)		
Power loss	5 W at 24 V		
Update rate of switch outputs	0.5 s		
Terminal block	24-pin, 24 V		
Dimensions	110 x 46 x 130 mm / 4.33 x 1.81 x 5.12" (H x W x D)		
Weight	340 g / 0.75 lbs		
Dräger REGARD® 7000 Long Distan	ce Gateway (Part of 83 23 815)		
Supply voltage	24 V (18 to 30 V) DC		
Long distance gateway port	Typ. 4 mA at 24 V		
current draw			
Long distance gateway port	Max. <0.1 W at 24 V		
power loss			
Converter current draw	Typ.<180 mA per converter at 24 V		
Converter power loss	Max. 5 W at 24 V per converter		
Transmission rate	5 MBit/s		
Galvanic isolation	Ethernet to DSL		
Transmission distance	Up to 3,000 m (9,843 ft), depending on wire cross-section and interference factors		
Dimensions	110 x 46 x 85 mm / 4.33 x 1.81 x 5.12" (H x W x D)		
Weight	115 g / 0.25 lbs		
Dräger REGARD® 7000 Ethernet to	DSI Converter (Part of 83 23 815)		
Dimensions	99 x 35 x 115 mm / 3.9 x 1.38 x 4.53" (H x W x D)		
Weight	185 g / 0.41 lbs		
	100 g . 0.11 100		
Dräger REGARD® 7000 Slotcover	400 40 05 4400 404 05FH (1) 111 F		
Dimensions	110 x 46 x 85 mm / 4.33 x 1.81 x 3.35" (H x W x D)		
Weight	115 g / 0.25 lbs		
Dräger REGARD® 7000 Terminal Blo	ock		
Dimensions	69 x 44 x 44 mm / 2.72 x 1.73 x 1.73" (H x W x D)		
Diffictions	· ,		

Approvals	3
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CE marking
ATEX
SIL 2
DNV SL²

HART® is a registered trademark of the HART® Communication Foundation

PROFIBUS® and PROFINET® are registered trademarks of PROFIBUS and PROFINET International (PI).

Unitronic® is a registered trademark of Lapp GmbH

Ordering Information

Dräger REGARD® 7000 Advanced Dashboard 6RU	83 26 850
Dräger REGARD® 7000 Advanced Dashboard PM	83 26 860
Dräger REGARD® 7000 Advanced Dashboard 3RU	83 27 840
Dräger REGARD® 7000 Dockingstation 8-slot	83 22 286
Dräger REGARD® 7000 Dockingstation 4-slot	83 22 320
Dräger REGARD® 7000 4-20 mA Input Module	83 24 001
Dräger REGARD® 7000 Digital Input Module	83 24 003
Dräger REGARD® 7000 Bridge Module	83 24 870
Dräger REGARD® 7000 Relay Module 24 V DC	83 23 250
Dräger REGARD® 7000 Relay Module 240 V AC	83 24 010
Dräger REGARD® 7000 Relay Module 24 V DC complex	83 24 874
Dräger REGARD® 7000 Relay Module 240 V AC complex	83 24 875
Dräger REGARD® 7000 Slotcover	83 23 812
Dräger REGARD® 7000 Terminal Block 24-pin AC	83 24 016
Dräger REGARD® 7000 Terminal Block 24-pin DC	83 24 020
Dräger REGARD® 7000 Terminal Block 2-pin	83 24 871
Dräger REGARD® 7000 Terminal Block 16-pin	83 24 017
Dräger REGARD® 7000 4-20 mA Input Modul c/w HART®	83 27 250
Dräger REGARD® 7000 Modbus RTU Gateway Set	83 24 872
Dräger REGARD® 7000 Long Distance Gateway Set	83 23 815
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¹ estimated availability mid of 2018

² estimated availability end of 2018

³ estimated availability 2018

Notes

Notes

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