

SIMPLY RELIABLE

refrigerant gas detection since 1990



PRODUCT GUIDE

2027



Part of **safe monitoring** group

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SAMON IS ON A MISSION

At SAMON, our mission is simple: to protect people, property and the environment. We want to create real value for society, and that starts with how we run our own business. We operate safely and sustainably ourselves, and we help our customers do the same.

Building a more sustainable future is one of the biggest challenges of our time. The refrigeration and HVAC industries have a key role to play in that transition, and we see it as our responsibility to contribute every day by supporting safer, more sustainable refrigeration systems around the world.

Our industry has changed a lot since the Montreal Protocol came into force in 1987. First came the phase-out of ozone-depleting substances, and now the phasedown of high-GWP refrigerants. Both continue to push innovation and new technologies across the market.

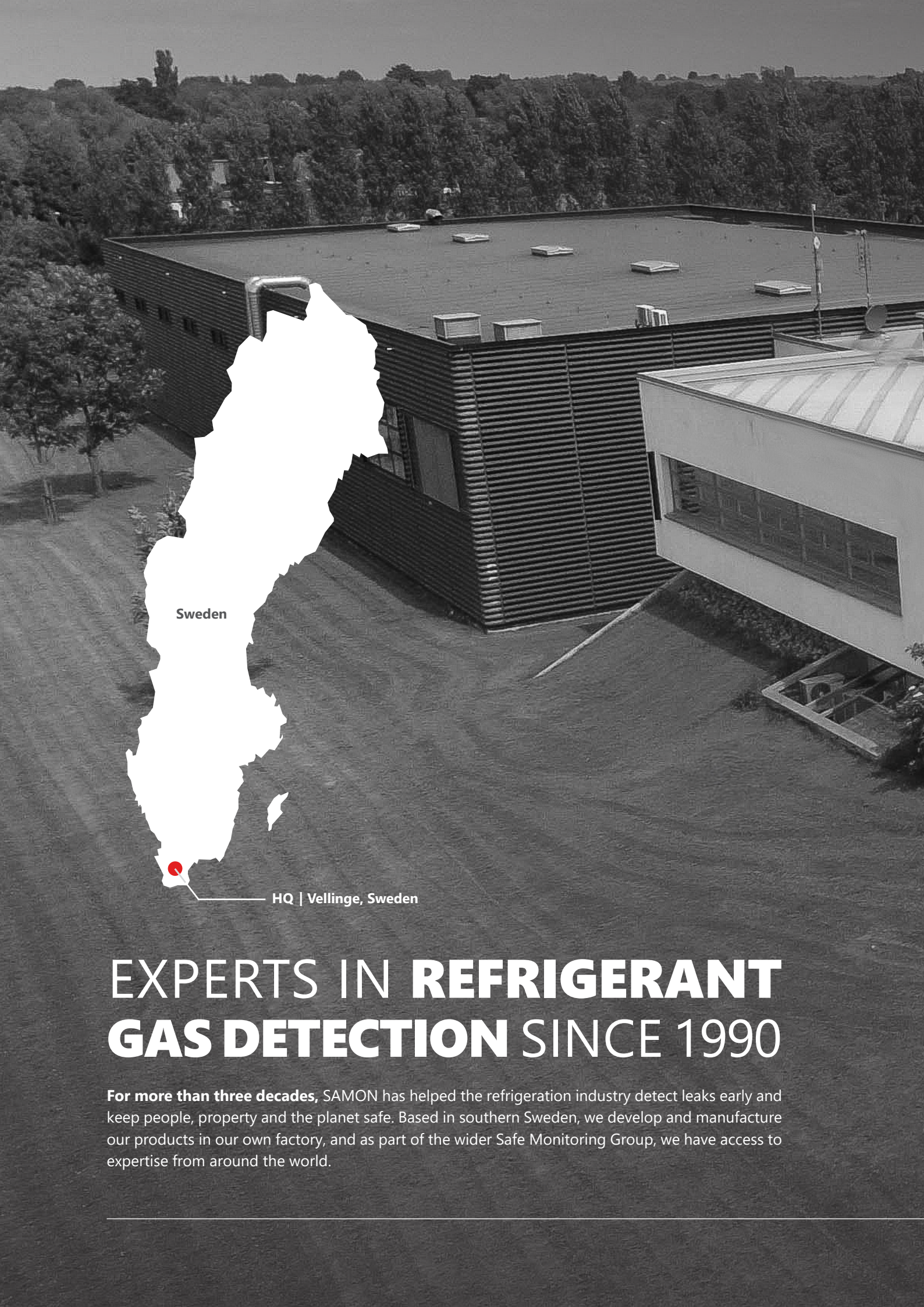
As the move toward lower-GWP and natural refrigerants like CO₂, ammonia and hydrocarbons gathers pace, new safety challenges come with it: toxicity, flammability and the risk of asphyxiation. Keeping people safe in these environments is at the heart of what we do. Everyone deserves to go home to their family and friends at the end of the day.

Good leak detection pays off in other ways too. Catching leaks early helps improve energy efficiency, cut downtime, prevent product spoilage and avoid the costs that come with leaks and system failures.

I'm proud that SAMON is trusted by customers across the refrigeration industry. That trust is built on values we share, around safety, sustainability and long-term reliability, and on our commitment to gas detection that is simply reliable.



Tobias Nilbert
Managing Director, SAMON



Sweden

HQ | Vellinge, Sweden

EXPERTS IN **REFRIGERANT** **GAS DETECTION** SINCE 1990

For more than three decades, SAMON has helped the refrigeration industry detect leaks early and keep people, property and the planet safe. Based in southern Sweden, we develop and manufacture our products in our own factory, and as part of the wider Safe Monitoring Group, we have access to expertise from around the world.



SAMON
safe monitoring

That combination drives a strong focus on technology and R&D. Our award-winning GLACIÄR series continues to grow with new products and features, built for the low-GWP and natural refrigerant systems of today and tomorrow. Long-life sensor technologies reduce the need for replacements and help lower lifetime costs, while app-based setup and maintenance make commissioning, calibration and service quicker and easier on site. The result is gas detection that's smarter to work with, less costly to own and dependable year after year.

SIMPLY RELIABLE.

Part of **safe monitoring group**



TECHNICAL SALES

SYSTEM DESIGN

PROJECT MANAGEMENT

COMMISSIONING

AFTER-SALES SUPPORT

YOUR PARTNER FROM START TO FINISH

Every site is different, and so are the refrigerants, regulations and risks that come with it. That's why SAMON has a dedicated Service and Solutions team, ready to support you well beyond choosing the right detector.

Our specialists can help you design a complete gas detection system, plan detector placement, set up controllers and integrate with building management systems. We also guide you through the standards and regulations that apply to your application, so you can be confident your installation is compliant from day one.

Once the system is up and running, the team stays by your side with commissioning, calibration and service support, as well as training that helps contractors and distributors work with our solutions quickly and confidently. Whether it's a single site or a large, complex project, you get one partner with the know-how to take it all the way.

We're more than a gas detection manufacturer. SAMON is your all-round solutions and service partner.

PRODUCTS



OUR FLAGSHIP REFRIGERANT GAS DETECTOR

GLACIÄR MIDI, our award-winning detector for fast, dependable leak detection in commercial and industrial refrigeration. It's built for the places where reliability matters most, from food retail, cold rooms and walk-in freezers to cold storage and food processing. Flexible, future-ready and simply reliable.

IP67

Modbus

Bluetooth™

CO₂

NH₃

HC

HFC

HFO

KEY FEATURES

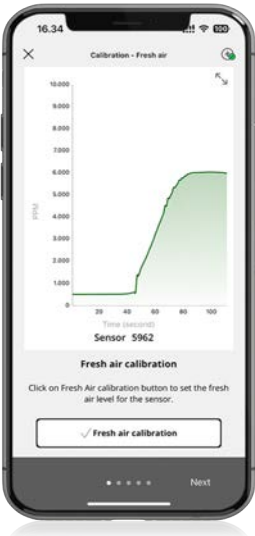
- Designed with over 35 years of industry experience
- Bluetooth connectivity for configuration and calibration
- Robust IP67 rated enclosure
- Pre-calibrated sensor with certificate
- Broad choice of sensor technologies
- Electrochemical sensors for NH₃ detection
- New IR and IR+ sensors, designed for a long service life and low lifetime cost
- Interface to control systems via Modbus RTU over RS485 & selectable analogue output range
- Built-in or remote sensor options

THE MIDI RANGE

GLACIÄR MIDI is built to give you options. Choose between low-voltage 24 VAC/VDC or 110–240 VAC power, and between a built-in sensor or a remote sensor for hard-to-reach or harsh locations.

Add to that a wide range of sensor technologies and types, and you can put together a detector that fits your refrigerant, your application and your budget. One product family, configured exactly the way you need it.

		NEW 	
MIDI Built-in or remote sensor	24 VDC/VAC	MIDI+ Built-in or remote sensor	110-240 VAC



APP-BASED SETUP AND MAINTENANCE

GLACIÄR MIDI connects via Bluetooth to our service app for Android and iOS, so you can configure and calibrate the detector directly from your phone, with no need to open the unit. Prefer a hands-on approach? Maintenance is also possible via the built-in analogue service wheel.



EASY MAINTENANCE

Streamlined gas group-based methodology allows the entire **GLACIÄR MIDI** range to be calibrated with just five gases, enhancing efficiency and minimizing stock requirements.



APPLICABLE STANDARDS

Directives		Standards	
(EMC) 2014/30/EU	(RED) 2022/30/EU	EN 61010-1	EN 50270
(LVD) 2014/35/EU	F-Gas Regulation (EU) 2024/573	EN 378	ASHRAE 15
(RED) 2014/53/EU		EN 14624	FCC
		UL 61010-1/CSA C22.2 No. 61010-1	

Flexibility is at the heart of **GLACIÄR MIDI**. With a wide choice of sensor technologies, you can match the detector to your refrigerant, your application and your budget. Looking for the lowest lifetime cost? Our new IR and IR+ sensors offer a longer sensor life and less maintenance.

Modbus



HFO

[illegible]



SENSOR COMPARISON

Factor	Infrared (NDIR)	Electrochemical	Semiconductive
Selectivity	■■■ Excellent	■■■ Moderate	■■■ Low
Stability / Drift	■■■ Excellent	■■■ Moderate	■■■ Low
Lifetime	■■■ 5–10+ years	■■■ 2–3 years	■■■ 3–5 years
Cross-sensitivity	■■■ Minimal	■■■ Medium	■■■ High
Oxygen dependence	■■■ None	■■■ Yes	■■■ High
Maintenance need	■■■ Low	■■■ Moderate	■■■ High
Cost (lifecycle)	■■■ Lowest	■■■ Medium	■■■ Low (upfront only)
Suitability for HFOs / new blends	■■■ Excellent	■■■ Limited	■■■ Limited

MIDI IR	MIDI IR+
Cost-effective solution for standard commercial applications	Premium solution for demanding and critical applications
Dedicated sensor optimized for each common refrigerant	Broader refrigerant coverage using only a single article number and expandability through cross-reference factors
Detection range 0–5000 ppm; up to 0–10 000 ppm for some gases	Detection range 0–2000 ppm (some ranges lower)
Higher detection range for general monitoring	Lower detection limits for early leak detection
Lower Detectable Limit (LDL): Higher (about 150–300 ppm)	Lower Detectable Limit (LDL): Lower (60–100 ppm depending on the gas)
Operating Temperature Range: –10°C to +50°C	Operating Temperature Range: –40°C to +60°C

NEXT GENERATION ROOM MONITORING

GLACIÄR RM, the smart, compact way to keep people safe around VRF air conditioning systems. It's ideal for hotel rooms, offices, apartments, care homes, prisons and light commercial spaces, wherever people live, work or sleep close to refrigerant systems. With drift-free infrared sensor technology, Wi-Fi setup and maintenance.

IP21

Modbus

WI-FI ACCESS

R32

R410A

KEY FEATURES

- Infrared technology – no drift, no poisoning
- Wi-Fi access point for quick setup and maintenance
- Low-profile design to suit any interior
- Built-in 85 dB sounder for immediate local alarm
- Multi-colour LED status indicators
- Two SPDT relays for alarm and fault control
- Factory pre-configured and ready to install
- Helps meet the requirements of EN 378
- RS485 Modbus RTU with building or HVAC systems
- Non-intrusive, cost-efficient solution



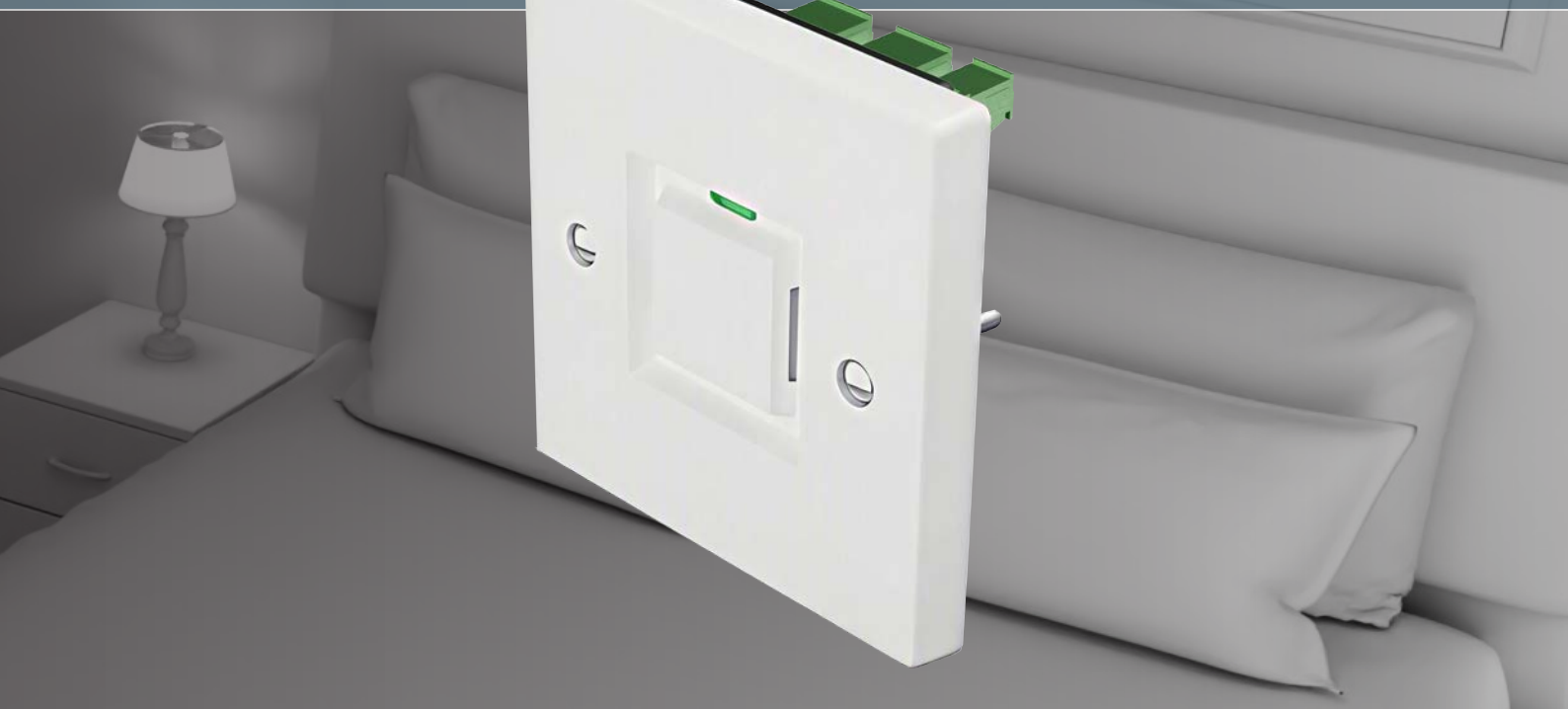
WI-FI SETUP & SERVICE, NO TOOLS NEEDED

GLACIÄR RM providing built-in WiFi access point. Any standard web browser on a phone, tablet, or laptop can be used to view operating status, adjust settings, and carry out tests.

EASY MAINTENANCE

GLACIÄR RM Calibration Kit for precise and easy maintenance, ensuring your detector's optimal performance and accuracy.





DETECTABLE GASES

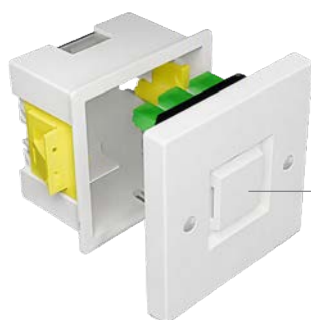
Infrared (NDIR)	
50 %LFL	7 %vol
R32	R410A

APPLICABLE STANDARDS

Directives	Standards
(EMC) 2014/30/EU (RED) 2022/30/EU	EN 378
(LVD) 2014/35/EU F-Gas Regulation (EU) 2024/573	
(RED) 2014/53/EU	

SMART AND EASY INSTALLATION

The flushmounted **GLACIÄR RM** integrates seamlessly into walls and fits inside a standard electrical back box.



HEAVY-DUTY INDUSTRIAL REFRIGERANT GAS DETECTOR

GLACIÄR X5 featuring a revolutionary long-life NH_3 sensor that is engineered to perform in the most demanding industrial refrigeration environments, including machinery rooms, cold storage, food processing.



KEY FEATURES

- Connectivity with 2 relays – dual 4–20 mA outputs
- Dual-sensor platform with multi-gas flexibility
- ATEX / IECEx certified – explosion-proof
- Long-life electrochemical sensor for NH_3 detection
- CO_2 detection via infrared sensor
- Infrared or catalytic sensor for R290
- Infrared sensor for HFC, HFO & A2L refrigerants
- Combine built-in and remote sensors
- Non-intrusive calibration via magnetic wand
- Display showing concentration, alarms and fault status

MULTIPLE SENSOR CONFIGURATIONS

Engineered to work in the most demanding refrigeration environments, the **GLACIÄR X5** stands out with its cutting-edge single and dual-sensor technology. It delivers unmatched accuracy in detecting industrial refrigerants, and features a revolutionary NH_3 sensor, designed to last an impressive five years, even amidst constant background NH_3 levels.

		
X5 1 or 2 built-in sensors	X5 1 built-in sensor + 1 remote sensor	X5 1 or 2 remote sensors



DETECTABLE GASES

Infrared		Semiconductive	Electrochemical	Catalytic
5000 PPM	2000 PPM	1000 PPM	100 PPM	100% LEL
CO ₂	R22 R417A R32 R442D R123 R448A R125 R449A R134A R452B R227 R507 R404A R513A R407A R1233ZD R407F R1234YF R410A R1234ZE	R407C R22 R134A R404A R410	NH ₃ CO	HC
0-5% VOL		10000 PPM	5/500/1000/5000 PPM	
CO ₂		R32 R22 R1234YF R410A R1234ZE R290 R454B R404A	NH ₃ CO NO ₂	
0-100% LEL			0-25% VOL	
R290 ETHANOL A2L			O ₂	

APPLICABLE STANDARDS

ATEX / IECEx MARKING

Directives	Standards		JB3/3500-0001	3500-XXXX Series
(EMC) 2014/30/EC	IEC 60079-0:2017 7th Edition	EN 60068-2-6	(GLACIAR X5)	(Remote Sensor)
(ATEX) 2014/34/EU	IEC 60079-29-1:2016 2nd Edition	EN 50271	II 2G Ex db IIC T6/T5 Gb	II 2G Ex db IIC T6 Gb
	IEC 60079-1	IEC 61010-1:2010 +A1:2016	II 2D Ex tb IIIC T85°C/ T100°C Db	II 2D Ex tb IIIC T85°C Db
	EN 50270	IEC 61010-1:2010 +A1:2019		
	IEC 60529			



GAS DETECTION CONTROL PANEL

GLACIÄR CONTROLLER 10, the easy way to manage up to ten gas detectors from one central point. A colour-changing LCD display and intuitive jog wheel give you clear status at a glance, while built-in Wi-Fi and BMS integration make service and monitoring effortless.



IP54

Modbus



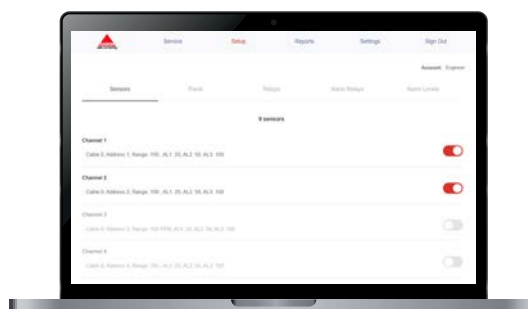
WI-FI ACCESS

KEY FEATURES

- Connects up to 10 gas detectors
- Colour-changing LCD display with jog wheel navigation
- Built-in Wi-Fi for service and information
- Power, fault and system alarm LEDs
- Built-in 85 dB buzzer and panic button
- Cable entries along the top, bottom or rear
- Flush or rear wall mounting
- Integrates with existing BMS via RS485 Modbus (TCP/IP option available)

GET FULL CONTROL

GLACIÄR CONTROLLER 10 has a built-in Wi-Fi access point for quick setup and maintenance. Simply connect with any standard web browser on your phone, tablet or laptop to view operating status, adjust settings and carry out tests, with no special software needed.





TRAPPED PERSON ALARM FOR COLD ROOMS.

GLACIÄR SAFEGUARD Trapped Person Alarm is designed to enhance personnel safety in refrigerated cold rooms. Beyond trapped person protection, the platform provides advanced monitoring functions.



IP65

Modbus

KEY FEATURES

- Dedicated trapped person emergency alarm
- Supports cold room safety requirements of EN378
- Operating in refrigerated cold rooms between 0°C & +5°C
- High-visibility visual indication and 90 dB audible alarm
- Relay output for integration with external alarms
- 10h battery back-up option
- Illuminated emergency push button
- Compatible via RS485 or digital input

GAS DETECTION INTEGRATION

GLACIÄR SAFEGUARD can directly interface with compatible refrigerant gas detectors via RS485 Modbus communication such as the GLACIÄR MIDI. GLACIÄR SAFEGUARD complement refrigerant gas detection systems by extending protection from gas leak monitoring to trapped person safety and cold room condition monitoring, enabling a more complete refrigeration safety offering.

NEW

Trapped person alarm



Push button

COMBINE WITH
GLACIÄR MIDI



PORTABLE. RELIABLE. LIFE-SAVING.

PORTABLE GAS DETECTORS with dependable, real-time monitoring of hazardous gases, helping to protect personnel in demanding environments and gives continuous gas detection.

IP67



Model	MGT Multi-Gas	iGas Detector CO ₂	SGT-P Single Gas
IP	IP67		
Battery	Rechargeable Li-ion		
Alarm	Audible, visual and vibrating		
Calibration	Every six months		
Certification	ATEX	None	ATEX
Sensor type	IR (replaceable) or pellistor	IR (replaceable)	Electrochemical (replaceable)
Sensor range	O ₂ 0~30 %vol, CO 0~500 ppm, H ₂ S 0~100 ppm	CO ₂ , 0 - 5 %vol or 50000 ppm	O ₂ 0 - 30 %vol, NH ₃ 0 - 100 ppm
Gas type	O ₂ , CO, H ₂ S, %LEL	CO ₂	O ₂ or NH ₃
Battery life	IR: 60 days. Pellistor: 25 hours continuous	14 days	24 months (if 2 min of alarm per day)
Size & weight	114 (H) x 61 (W) x 43 (D) mm, 240 g	99 (H) x 54 (W) x 38 (D) mm, 135 g	91 (H) x 54 (W) x 32 (D) mm, 104 g



MAKING CALIBRATION SMARTER AND EASIER

The calibration process for devices like our **GLACIÄR MIDI** is streamlined using gas group-based methodologies. This allows the entire **GLACIÄR MIDI** range to be calibrated with fewer gases, enhancing efficiency and minimizing stock requirements.



KEY BENEFITS

- Accurate and reliable detector calibration
- Supports bump testing and full calibration procedures
- Available for refrigerants, toxic gases and oxygen sensors
- Traceable gas mixtures for quality assurance
- Portable and easy to use in the field
- Helps maintain detector performance and compliance



CALIBRATION KIT

To ensure correct gas concentration during the calibration, always use the SAMON original calibration kit. A flow regulator ensures consistent gas flow during calibration, enabling accurate sensor response.

SMART AND EASY CALIBRATION

The calibration process is streamlined when using gas group-based methodologies. This allows the entire **GLACIÄR MIDI** range to be calibrated with just five gases and ensures they comply with the European Standards EN 378 and EN 14624, as well as local legislations.



PRODUCT NOTES

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APPLICATIONS



**1**

GLACIÄR MIDI / MIDI+
Read more on page 8

**2**

GLACIÄR RM
Read more on page 12

**4**

GLACIÄR CONTROLLER 10
Read more on page 16



5

GLACIÄR SAFEGUARD
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**1**

GLACIÄR MIDI / MIDI+
Read more on page 8

**4**

GLACIÄR CONTROLLER 10
Read more on page 16

**5**

GLACIÄR SAFEGUARD
Read more on page 17





1

GLACIÄR MIDI / MIDI+
Read more on page 8



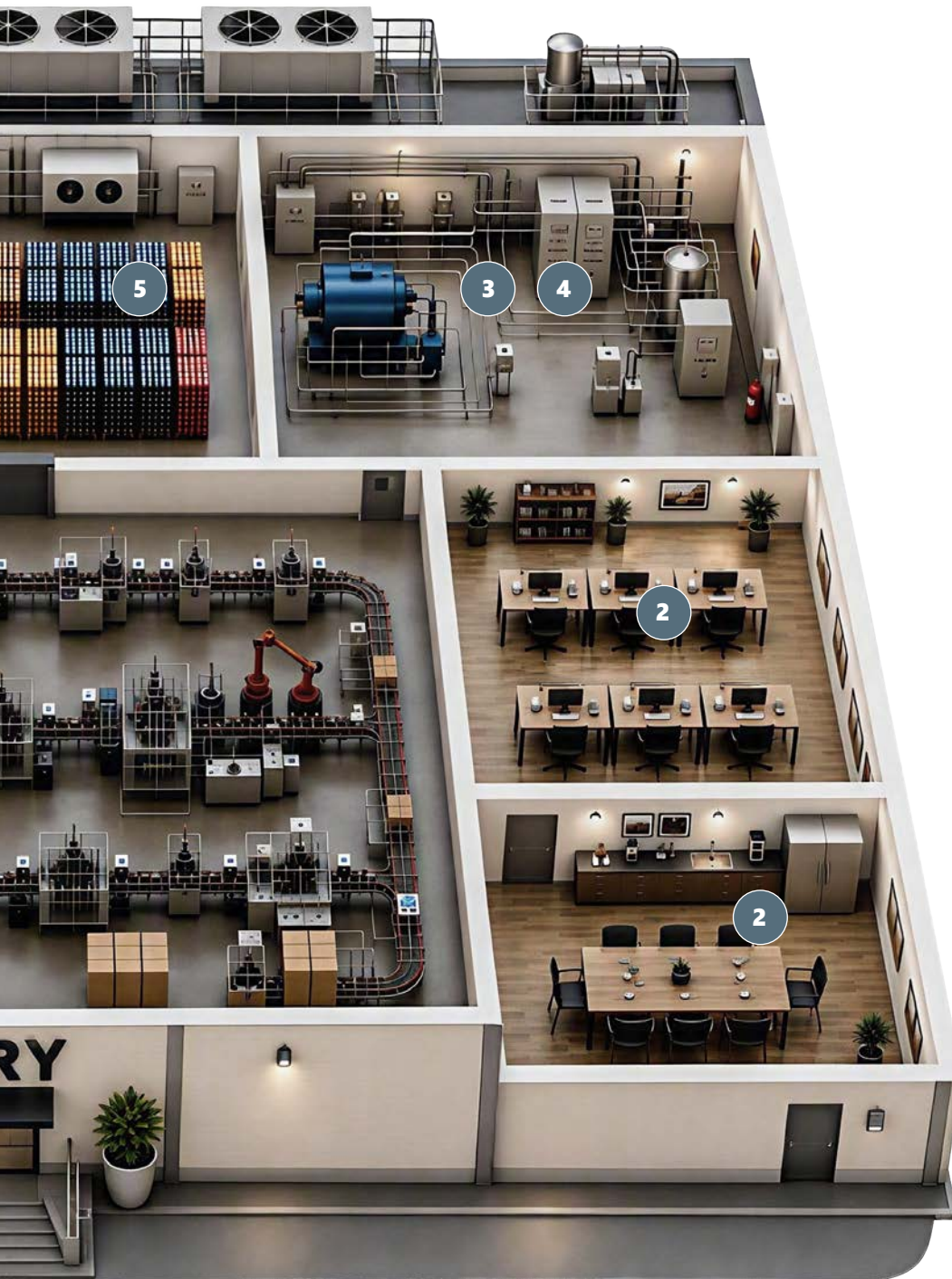
2

GLACIÄR RM
Read more on page 12



3

GLACIÄR X5
Read more on page 14



4 GLACIÄR CONTROLLER 10
Read more on page **16**



5 GLACIÄR SAFEGUARD
Read more on page **17**

REFRIGERATION PROCESS COOLING



1

GLACIÄR MIDI / MIDI+
Read more on page 8



2

GLACIÄR RM
Read more on page 12



3

GLACIÄR X5
Read more on page 14



4 GLACIÄR CONTROLLER 10
Read more on page **16**

Details

Order Code	Model	Details
3500-0001	GLACIÄR XS ATEX Transmitter with display	ATEX, analogue incl 1Wa

GLACIÄR X5

Order Code	Model	Details
3500-0001	GLACIÄR XS ATEX Transmitter with display	ATEX, analogue incl 1Wa

GLACIÄR X5 sensor modules

3500-0002	GLACIÄR X5 NH ₃ 0-100 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor
3500-0003	GLACIÄR X5 NH ₃ 0-500 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor
3500-0095	GLACIÄR X5 NH ₃ 0-1000 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor
3500-0004	GLACIÄR X5 NH ₃ 0-5000 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor
3500-0005	GLACIÄR X5 CO ₂ 0-5000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0006	GLACIÄR X5 CO ₂ 0-5 % vol sensor module	ATEX, IR, Sensor & spare sensor
3500-0096	GLACIÄR X5 CO 0-100ppm sensor module	ATEX, EC, Sensor & spare sensor
3500-0097	GLACIÄR X5 O ₂ 0-25 % vol sensor module	ATEX, EC, Sensor & spare sensor
3500-0098	GLACIÄR X5 NO ₂ 0-5ppm sensor module	ATEX, EC, Sensor & spare sensor
3500-0103	GLACIÄR X5 Ethanol 0-100%LEL sensor module IR	ATEX, IR Solvent, Sensor & spare sensor

GLACIÄR X5 sensor modules, group IRR

3500-0065	GLACIÄR X5 R22 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0066	GLACIÄR X5 R32 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0067	GLACIÄR X5 R123 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0068	GLACIÄR X5 R125 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0069	GLACIÄR X5 R134A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0070	GLACIÄR X5 R227 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0071	GLACIÄR X5 R404A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0072	GLACIÄR X5 R407A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0073	GLACIÄR X5 R407F 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0074	GLACIÄR X5 R410A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0075	GLACIÄR X5 R417A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0076	GLACIÄR X5 R442D 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0077	GLACIÄR X5 R448A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0078	GLACIÄR X5 R449A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor
3500-0079	GLACIÄR X5 R450A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor

PRODUCT LIBRARY

GLACIÄR MIDI

Model	Details	MIDI	MIDI+	MIDI+ AVK*
HFO/HFC	Group 1	R32 / R407A / R407C / R407F / R410A / R448A / R449A / R452A / R452B / R454A / R454B / R454C / R455A / R464A / R465A / R466A / R468A / R507A		
GLACIÄR MIDI SC HFC/HFO Group 1 1000 ppm	Semiconductive Detector, 0-1000 ppm	31-220-12	3103-0100	3104-0100
GLACIÄR MIDI Remote SC HFC/HFO Group 1 1000 ppm	Semiconductive Detector, 0-1000 ppm	31-520-12	3103-0100-5M	3104-0100-5M
HFO/HFC	Group 2	R134a / R404A / R450A / R513A / R1234yf / R1234ze / R1233zde		
GLACIÄR MIDI SC HFC/HFO Group 2 1000 ppm	Semiconductive Detector, 0-1000 ppm	31-220-17	3103-0200	3104-0200
GLACIÄR MIDI Remote SC HFC/HFO Group 2 1000 ppm	Semiconductive Detector, 0-1000 ppm	31-520-17	3103-0200-5M	3104-0200-5M
R290	Group 3	R290 / R50 / R600a / R1150 / R1270		
GLACIÄR MIDI SC R290 / Group 3 4000 ppm	Semiconductive Detector, 0-4000 ppm	31-290-13	3103-0300	3104-0300
GLACIÄR MIDI Remote SC R290 HC 4000 ppm	Semiconductive Detector, 0-4000 ppm	31-590-13	3103-0300-5M	3104-0300-5M
CO₂	Group 4	CO₂		
GLACIÄR MIDI IR CO ₂ 10000 ppm	IR Detector, 0-10000 ppm	31-210-32	3103-0400	3104-0400
GLACIÄR MIDI Remote IR CO ₂ 10000 ppm	IR Detector, 0-10000 ppm	31-510-32	3103-0400-5M	3104-0400-5M
NH₃	Group 5	NH₃		
GLACIÄR MIDI EC NH ₃ 100 ppm	Electrochemical Detector, 0-100 ppm	31-250-22	3103-0500	3104-0500
GLACIÄR MIDI EC NH ₃ 1000 ppm	Electrochemical Detector, 0-1000 ppm	31-250-23	3103-0501	3104-0501
GLACIÄR MIDI EC NH ₃ 5000 ppm	Electrochemical Detector, 0-5000 ppm	31-250-24	3103-0502	3104-0502
GLACIÄR MIDI Remote EC NH ₃ 100 ppm	Electrochemical Detector, 0-100 ppm	31-550-22	3103-0500-5M	3104-0500-5M
GLACIÄR MIDI Remote EC NH ₃ 1000 ppm	Electrochemical Detector, 0-1000 ppm	31-550-23	3103-0501-5M	3104-0501-5M
GLACIÄR MIDI Remote EC NH ₃ 500 ppm	Electrochemical Detector, 0-5000 ppm	31-550-24	3103-0502-5M	3104-0502-5M
HFC/HFO	Group 6	R1234YF, R1234ZE, R1233ZD, R125, R134A, R22, R227, R32, R404A, R407A, R407F, R410A, R417A, R422D, R448A, R449A, R452B, R507, R513A		
GLACIÄR MIDI IR+ HFC/HFO Group 6 2000 ppm	IR+ Detector, 0-2000 ppm	3101-0600	3103-0600	3104-0600
GLACIÄR MIDI Remote IR+ HFC/HFO Group 6 2000 ppm	IR+ Detector, 0-2000 ppm	3101-0600-5m	3103-0600-5M	3104-0600-5M
Sensor module IR+ HFC/HFO Group 6 2000 ppm	IR+ Sensor module, 0-2000 ppm	3102-0600	3102-0600	3102-0600
HFC/HFO	Group 7	R134A		
GLACIÄR MIDI IR R134a Group 7 5000 ppm	IR Detector, 0-5000 ppm	3101-0700	3103-0700	3104-0700
GLACIÄR MIDI Remote IR R134a Group 7 5000 ppm	IR Detector, 0-5000 ppm	3101-0700-5m	3103-0700-5M	3104-0700-5M
Sensor module IR R134a Group 7 5000 ppm	IR Sensor module, 0-5000 ppm	3102-0700	3102-0700	3102-0700

* GLACIÄR MIDI+ AVK is a complete stand-alone gas detection package combining a GLACIÄR MIDI+ detector with a dedicated audio-visual alarm.

PRODUCT LIBRARY

GLACIÄR MIDI

Model		Details	MIDI	MIDI+	MIDI+ AVK*
HFC/HFO	Group 8	R1234YF, R1234ZE, R32, R410A, R449A, R407C			
GLACIÄR MIDI IR R1234yf Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0800	3103-0800	3104-0800
GLACIÄR MIDI Remote IR R1234yf Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0800-5m	3103-0800-5M	3104-0800-5M
GLACIÄR MIDI IR R1234ze Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0801	3103-0801	3104-0801
GLACIÄR MIDI Remote IR R1234ze Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0801-5m	3103-0801-5M	3104-0801-5M
GLACIÄR MIDI IR R32 Group 8 10000 ppm		IR Detector, 0-10000 ppm	3101-0802	3103-0802	3104-0802
GLACIÄR MIDI Remote IR R32 Group 8 10000 ppm		IR Detector, 0-10000 ppm	3101-0802-5m	3103-0802-5M	3104-0802-5M
GLACIÄR MIDI IR R410a Group 8 10000 ppm		IR Detector, 0-10000 ppm	3101-0803	3103-0803	3104-0803
GLACIÄR MIDI Remote IR R410a Group 8 10000 ppm		IR Detector, 0-10000 ppm	3101-0803-5m	3103-0803-5M	3104-0803-5M
GLACIÄR MIDI IR R449a Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0804	3103-0804	3104-0804
GLACIÄR MIDI Remote IR R449a Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0804-5m	3103-0804-5M	3104-0804-5M
GLACIÄR MIDI IR R407c Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0806	3103-0806	3104-0806
GLACIÄR MIDI Remote IR R407c Group 8 5000 ppm		IR Detector, 0-5000 ppm	3101-0806-5m	3103-0806-5M	3104-0806-5M
Sensor module IR R1234yf Group 8 5000 ppm		IR Sensor module, 0-5000 ppm	3102-0800	3102-0800	3102-0800
Sensor module IR R1234ze Group 8 5000 ppm		IR Sensor module, 0-5000 ppm	3102-0801	3102-0801	3102-0801
Sensor module IR R32 Group 8 10000 ppm		IR Sensor module, 0-10000 ppm	3102-0802	3102-0802	3102-0802
Sensor module IR R410a Group 8 10000 ppm		IR Sensor module, 0-10000 ppm	3102-0803	3102-0803	3102-0803
Sensor module IR R449a Group 8 5000 ppm		IR Sensor module, 0-5000 ppm	3102-0804	3102-0804	3102-0804
Sensor module IR R407c Group 8 5000 ppm		IR Sensor module, 0-5000 ppm	3102-0806	3102-0806	3102-0806

* GLACIÄR MIDI+ AVK is a complete stand-alone gas detection package combining a GLACIÄR MIDI+ detector with a dedicated audio-visual alarm.

GLACIÄR X5

Model	Details	Order Code
GLACIÄR X5 ATEX Transmitter with display	ATEX, analogue incl 1Wand, 1 Gland, 3 Plugs	3500-0001
GLACIÄR X5 sensor modules		
GLACIÄR X5 NH ₃ 0-100 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0002
GLACIÄR X5 NH ₃ 0-500 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0003
GLACIÄR X5 NH ₃ 0-1000 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0095
GLACIÄR X5 NH ₃ 0-5000 ppm sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0004
GLACIÄR X5 CO ₂ 0-5000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0005
GLACIÄR X5 CO ₂ 0-5 % vol sensor module	ATEX, IR, Sensor & spare sensor	3500-0006
GLACIÄR X5 CO 0-100ppm sensor module	ATEX, EC, Sensor & spare sensor	3500-0096
GLACIÄR X5 O ₂ 0-25 % vol sensor module	ATEX, EC, Sensor & spare sensor	3500-0097
GLACIÄR X5 NO ₂ 0-5ppm sensor module	ATEX, EC, Sensor & spare sensor	3500-0098
GLACIÄR X5 Ethanol 0-100%LEL sensor module IR	ATEX, IR Solvent, Sensor & spare sensor	3500-0103
GLACIÄR X5 sensor modules, group IRR		
GLACIÄR X5 R22 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0065
GLACIÄR X5 R32 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0066
GLACIÄR X5 R123 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0067
GLACIÄR X5 R125 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0068
GLACIÄR X5 R134A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0069
GLACIÄR X5 R227 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0070
GLACIÄR X5 R404A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0071
GLACIÄR X5 R407A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0072
GLACIÄR X5 R407F 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0073
GLACIÄR X5 R410A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0074
GLACIÄR X5 R417A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0075
GLACIÄR X5 R442D 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0076
GLACIÄR X5 R448A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0077
GLACIÄR X5 R449A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0078
GLACIÄR X5 R452B 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0079

PRODUCT LIBRARY

GLACIÄR X5

Model	Details	Order Code
GLACIÄR X5 R507 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0080
GLACIÄR X5 R513A 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0081
GLACIÄR X5 R1233zd 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0082
GLACIÄR X5 R1234yf 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0083
GLACIÄR X5 R1234ze 0-2000 ppm sensor module	ATEX, IR, Sensor & spare sensor	3500-0084
GLACIÄR X5 remote sensor modules		
GLACIÄR X5 NH ₃ 0-1000 ppm Remote sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0022
GLACIÄR X5 NH ₃ 0-100 ppm Remote sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0023
GLACIÄR X5 NH ₃ 0-500 ppm Remote sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0024
GLACIÄR X5 NH ₃ 0-5000 ppm Remote sensor module	ATEX, IONIC EC, Sensor & spare sensor	3500-0025
GLACIÄR X5 CO ₂ 0-5 % vol Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0026
GLACIÄR X5 CO 0-100ppm Remote sensor module	ATEX, EC, Sensor & spare sensor	3500-0099
GLACIÄR X5 O ₂ 0-25 % vol Remote sensor module	ATEX, EC, Sensor & spare sensor	3500-0100
GLACIÄR X5 NO ₂ 0-5ppm Remote sensor module	ATEX, EC, Sensor & spare sensor	3500-0101
GLACIÄR X5 CO ₂ 0-5000ppm Remote sensor module IR	ATEX, IR, Sensor & spare sensor	3500-0109
GLACIÄR X5 Ethanol 0-100%LEL Remote sensor module	ATEX, IR Solvent, Sensor & spare sensor	3500-0115
GLACIÄR X5R290 0-100%LEL Remote sensor module IR	ATEX, IR, Propane (R290) Sensor & spare sensor	3500-0117
GLACIÄR X5 remote sensor module, group IRR		
GLACIÄR X5 R22 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0032
GLACIÄR X5 R32 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0033
GLACIÄR X5 R123 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0034
GLACIÄR X5 R125 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0035
GLACIÄR X5 R134A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0036
GLACIÄR X5 R227 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0037
GLACIÄR X5 R404A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0038
GLACIÄR X5 R407A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0039
GLACIÄR X5 R407F 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0040
GLACIÄR X5 R410A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0041

Model	Details	Order Code
GLACIÄR X5 R417A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0042
GLACIÄR X5 R422D 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0043
GLACIÄR X5 R448A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0044
GLACIÄR X5 R449A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0045
GLACIÄR X5 R452B 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0046
GLACIÄR X5 R507 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0047
GLACIÄR X5 R513A 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0048
GLACIÄR X5 R1233zd 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0049
GLACIÄR X5 R1234yf 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0050
GLACIÄR X5 R1234ze 0-2000 ppm Remote sensor module	ATEX, IR, Sensor & spare sensor	3500-0051
GLACIÄR X5 components		
GLACIÄR X5 D44 Power Filter	Use with remote sensor solution	3500-0029

GLACIÄR RM

Model	Details	Order Code
GLACIÄR RM R410a	IR, R410a, 7% Vol	3201-0001
GLACIÄR RM R32	IR, R32, 50% LFL	3201-0002

GLACIÄR CONTROLLER 10

Model	Details	Order Code
GLACIÄR Controller 10		6300-0001

GLACIÄR SAFEGUARD

Model	Details	Order Code
GLACIÄR Safeguard	Person Trapped Alarm + Push button	6105-0001
GLACIÄR Safeguard B	Person Trapped Alarm + Push button + battery (10h)	6105-0002
GLACIÄR Safeguard Push Button	Push Button for Person Trapped Alarm	6105-0003
GLACIÄR Safeguard Push Button Protection	Stainless Steel Protection for Push Button	6105-0004

PRODUCT LIBRARY

PORTABLE DETECTORS

Model	Details	Order Code
iGas Detector CO₂		
Portable Gas Detector CO ₂	Portable Single Gas Detector	5000-0004
MGT Personal Multi-Gas Detector		
Portable Gas Detector O ₂ , CO, H ₂ S, %LEL IR	InfraRed	5000-0002
Portable Gas Detector O ₂ , CO, H ₂ S, %LEL pellistor	Pellistor	5000-0003
SGT-P Single Gas Detector		
Portable Gas Detector O ₂	O ₂	5000-0001
Portable Gas Detector NH ₃	NH ₃	5000-0005

CALIBRATION GAS

Details	Order Code 1 pcs	Order Code 6 pcs	Order Code 12 pcs
Test Gas R32 – 1 000 ppm (R32/Air) 58 l. cylinder	61-2041	61-2041-6	61-2041-12
Test Gas R134a – 1 000 ppm (R134a/Air) 58 litres cylinder	61-2046	61-2046-6	61-2046-12
Test Gas R290 – 4 000 ppm (R290/Air) 58 litres cylinder	61-2051	61-2051-6	61-2051-12
Test Gas CO ₂ – 8 000 ppm (CO ₂ /N ₂) 58 litres cylinder	61-2063	61-2063-6	61-2063-12
Test Gas NH ₃ – 50 ppm (NH ₃ /Air) 58 litres cylinder	61-2030	61-2030-6	61-2030-12
Test Gas NH ₃ – 500 ppm (NH ₃ /Air) 58 litres cylinder	61-2031	61-2031-6	61-2031-12
Test Gas NH ₃ – 2 500 ppm (NH ₃ /Air) 58 litres cylinder	61-2032	61-2032-6	61-2032-12
Test Gas NH ₃ – 4 000 ppm (NH ₃ /Air) 58 litres cylinder	61-2033	61-2033-6	61-2033-12

Other gases, sizes and quantities are available - contact sales for more information.

CALIBRATION GAS GLACIÄR MIDI

GLACIÄR MIDI Gas Measurement	Group no	Calibration gas to be used
R32, R407A, R407C, R407F, R410A, R448A, R449A, R452A, R452B, R454A, R454B, R454C, R455A, R464A, R465A, R466A, R468A, R507A	1	R32
R134A, R404A, R450A, R513A, R1234yf, R1234ze, R1233zde	2	R134A
R290, R50, R600a, R1150, R1270	3	R290
CO ₂	4	CO ₂
NH ₃	5	NH ₃

G-SERIES

Model	Details	Order Code
GSH detectors	CO₂	
GSH24-CO ₂ -10000	0-10000 ppm, 12..24V AC/DC, max 3 W	37-4120
GSH24-CO ₂ -30000	0-30000 ppm, 12..24V AC/DC, max 3W	37-4124
GSH230-CO ₂ -10000	0-10000 ppm, 85...230V AC, max 3 W	37-4170
GSH230-CO ₂ -30000	0-30000 ppm, 85..230V AC, max 3W	37-4174
GSMB detectors	CO₂	
GSMB24-CO ₂ -10000	0-10000 ppm, 12..24V AC/DC, max 3 W	37-4120-MB
GSMB24-CO ₂ -30000	0-30000 ppm, 12..24V AC/DC, max 3W	37-4124-MB
GSMB230-CO ₂ -10000	0-10000 ppm, 85..230V, Max 3W	37-4170-MB
GSMB230-CO ₂ -30000	0-30000 ppm, 85..230V AC, max 3W	37-4174-MB
GSLS detectors	CO₂	
GSLS24-CO ₂ -10000	0-10000ppm, 12...24V AC/DC, max 3W	37-4120-LS
GSLS24-CO ₂ -30000	0-30000 ppm, 24 V, max 3 W	37-4124-LS
GSLS230-CO ₂ -10000	0-10000ppm, 85...230V AC, max 3W	37-4170-LS
GSLS230-CO ₂ -30000	0-30000 ppm, 230 V, max 3 W	37-4174-LS
GS detectors	HFC / HFO / NH₃ / R290 / flammable gas	Splash Proof
GS24-HFC-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	37-420
GS230-HFC-4000	0-4000 ppm, 230V AC, max 2 W	37-425
GS24-HC	0-50% LEL, 12..24V AC/DC, Hydrocarbons	37-430
GS230-HC	0-50% LEL, 230V AC, Hydrocarbons	37-435
GS24- Methane	0-50% LEL, 12..24V AC/DC	37-480
GS230- Methane	0-50% LEL, 230V AC	37-485
GS24- Propane	0-50% LEL, 12..24V AC/DC	37-490
GS230- Propane	0-50% LEL, 230V AC	37-495
GSR detectors (with remote sensor)	HFC / HFO / NH₃ / R290 / flammable gas	
GSR24-HFC-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	37-920
GSR230-HFC-4000	0-4000 ppm, 230V AC, max 2 W	37-925

PRODUCT LIBRARY

G-SERIES

Model	Details	Order Code
GSR detectors (with remote sensor) HFC / HFO / NH₃ / R290 / flammable gas		
GSR24-HC	0-50% LEL, 12..24V AC/DC, Hydrocarbons	37-930
GSR230-HC	0-50% LEL, 230V AC, Hydrocarbons	37-935
GSR24-Methane	0-50% LEL, 12..24V AC/DC	37-980
GSR230-Methane	0-50% LEL, 230V AC	37-985
GSR24-Propane	0-50% LEL, 12..24V AC/DC	37-990
GSR230-Propane	0-50% LEL, 230V AC	37-995
GK detectors HFC / HFO / NH₃ For ventilation ducts		
GK24-HFC-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	37-820
GK230-HFC-4000	0-4000 ppm, 230V AC, max 2 W	37-825
GR detectors HFC / HFO / NH₃ For vent lines from pressure relief valves		
GR24-HFC-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	37-620
GR230-HFC-4000	0-4000 ppm, 230V AC, max 2 W	37-625
GXR detectors HFC / HFO / NH₃ With ATEX approved remote sensor		
GXR24-HFC-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	37-720
GXR230-HFC-4000	0-4000 ppm, 230V AC, max 2 W	37-725
GXR24-Propane	0-50% LEL, 12..24V AC/DC, max 2 W	37-730
GXR230-Propane	0-50% LEL, 230V AC, max 2 W	37-735

SPU / SPLS-SERIES

Model	Details	Order Code
SPU24	24V AC/DC, max 3 W	20-350
SPU230	85-230V AC, max 3 W	20-355
SPLS24	24V AC/DC, max 3 W	20-360
SPLS230	85-230V AC, max 3 W	20-365

TR-SERIES

Model	Details	Order Code
TR-IR detectors		
	CO₂	
TR-IR-CO ₂ -10000	0-10000 ppm, max 2,5 W	39-4312
TR-IR-CO ₂ -30000	0-30000 ppm, max 2,5 W	39-4314
TR-SC detectors		
	HFC / HFO / NH₃ / R290 / flammable gas	
TR-SC-HFC(A)-4000	0..4000 ppm HFC (standard R404a / R507)	39-4120-A
TR-SC-HFC(B)-4000	0..4000 ppm HFC (standard R134a)	39-4120-B
TR-SC-HC	0-50% LEL, General for Hydrocarbons (HC)	39-4130
TR-SCK detectors HFC / HFO / NH ₃ / R290 / flammable gas		
	For ventilation ducts	
TR-SCK-HFC(A)-4000	0..4000 ppm HFC (standard R404a / R507)	39-8120-A
TR-SCK-HFC(B)-4000	0..4000 ppm HFC (standard R134a)	39-8120-B
TR-SCK-HC	0-50% LEL, General for Hydrocarbons (HC)	39-8130
TR-SCR detectors HFC / HFO / NH ₃		
	For vent lines from pressure relief valves	
TR-SCR-HFC(B)-4000	0..4000 ppm HFC (standard R134a)	39-6120-B
TR-EC detectors NH ₃ / CO ₂ / NO ₂		
TR-EC-NH ₃ -100	0 - 100 ppm	39-4250
TR-EC-NH ₃ -1000	0 - 1000 ppm	39-4251
TR-EC-NH ₃ -5000	0 - 5000 ppm	39-4252
TR-EC-NH ₃ -10000	0 - 10000 ppm	39-4253
TR-EC-CO	0-300 ppm	39-4260
TR-EC-NO ₂	0-20 ppm	39-4240

MPU-SERIES

Model	Details	Order Code
MPU2C	2 channels, 230V AC / 24V DC, max 10 W	20-310
MPU4C	4 channels, 230V AC / 24V DC, max 10 W	20-300
MPU6C	6 channels, 230V AC / 24V DC, max 10 W	20-305
	Custom pre-set alarm levels. Price per channel/detector	60-300

Note: Maximum total power consumption of all connected gas detectors is 10W, e.g. MPU6C 230V is limited to use with max. 4 x MPS-CO₂

PRODUCT LIBRARY

MP-SERIES

Model	Details	Order Code
MPS detectors CO₂		
MPS-CO ₂ -10000	0-10000 ppm, max 2,5 W	34-410
MPS-CO ₂ -30000	0-30000 ppm, max 2,5 W	34-414
MP-DS detectors HFC / HFO / NH₃/ R290 / Flammable gas Splash Proof		
MP-DS-HFC-4000	0-4000 ppm	38-420
MP-DS-HC	0-50% LEL	38-430
MP-DS-Methane	0-50% LEL	38-480
MP-DS-Propane	0-50% LEL	38-490
MP-DK detectors HFC / HFO / NH₃ For ventilation ducts		
MP-DK2-HFC-4000	0-4000 ppm	38-820-V2
MP-DR2 detectors HFC / HFO / NH₃ For vent lines from pressure relief valves		
MP-DR2-HFC-4000	0-4000 ppm	38-620-V2
GEX detectors HFC / HFO / NH₃ With ATEX approved enclosure		
GEX-SC-HFC-4000	0-4000 ppm	35-301
GEX-SC-Propane	Propane, Methane etc. 0-50% LEL.	35-302

GLACIÄR MIDI

Image	Model / Order Code	Details
	Power Adapter	Power adapter, housed in an IP54 enclosure, delivers 200-230V power and a 24V output to the GLACIÄR MIDI, increasing its versatility for various applications. Equipped with input and output power cable management, it can power up to 5 GLACIÄR MIDI units simultaneously.
	4000-0002	200-230V, 24V, IP54
	LED sign - Refrigerant Alarm	The "Refrigerant Alarm" LED sign serves as a clear indicator that the refrigerant alarm system is active in a designated area.
	6100-0002	Dimensions LxH: 300mm (325mm)x132mm, IP54, 230 AC or 24 DC
	Calibration Gas	The calibration process for devices like our GLACIÄR MIDI is streamlined using gas group-based methodologies. This allows the entire GLACIÄR MIDI range to be calibrated with just five gases, enhancing efficiency and minimizing stock requirements.
	See page 36	Contact sales for information on available calibration gas bottles and state (Europe only).
	Pipe Adapter	The GLACIÄR MIDI Pipe Adapter is designed for high-pressure ammonia systems, ensuring a secure fit on the blow-off pipe or pressure relief valve pipe. This adapter effectively reduces the potential pressure exerted on gas sensors, providing crucial protection against damage and enhancing the longevity and reliability of your gas detection equipment.
	62-9031	Pipe Adapter for GLACIÄR MIDI 1/2" R
	Calibration Kit	The Calibration Kit, designed specifically for the GLACIÄR MIDI, allows you to periodically test and calibrate your gas detector alarms and cause & effect systems. This ensures accuracy and reliability for optimal safety.
	61-9040	Calibration Kit for GLACIÄR MIDI
	Duct Adapter	The Calibration Kit, designed specifically for the GLACIÄR MIDI, allows you to periodically test and calibrate your gas detector alarms and cause & effect systems. This ensures accuracy and reliability for optimal safety.
	62-9041	Duct Adapter for GLACIÄR MIDI
	Delivery Protection Cap	Protection Cap ensures safety from external elements, safeguarding the GLACIÄR MIDI sensor head until it is ready for use.
	62-9022	Delivery Protection Cap for GLACIÄR MIDI
	Magnetic Wand	Magnetic Wand streamlines the configuration process, ensuring quick and easy setup for GLACIÄR MIDI.
	62-9051	Magnetic Wand for GLACIÄR MIDI, pack of 5 pcs
	Protection Bracket	Bracket in 3mm stainless steel to be mounted as protection for detectors etc. Width: 50mm
	40-901	Inner dimension L x H: 174x92mm (fits GLACIÄR MIDI)

ACCESSORIES LIBRARY

GLACIÄR X5

Image	Model / Order Code	Details
	Stopping Plug, M20	ATEX certified M20 Stopping Plugs are used to blank off unused entries on GLACIÄR X5 in hazardous area, ensuring the integrity and Ex approval of the installation.
	3500-0031	Spare Stopping Plug for GLACIÄR X5
	Cable Gland EXd II C	ATEX cable glands for GLACIÄR X5 secure cables against pull, twist, and environmental damage, maintaining ingress protection and ATEX rating.
	3500-0030	Spare cable Gland for GLACIÄR X5, ATEX certified
	Tool Kit (Magnetic Wand)	The GLACIÄR X5 Magnetic Wand streamlines the configuration process, ensuring quick and easy setup for our equipment.
	3500-0087	1 pc of spare Magnetic Wand for GLACIÄR X5
	Gas Collector Cone	The Gas Collector Cone, specially designed for the GLACIÄR X5, enhances the detection of lighter-than-air gases. This accessory is compatible exclusively with versions featuring a single sensor head.
	3500-0088	Gas Collector Cone for GLACIÄR X5. Note: Requires Splash Guard
	ATEX Splash Guard	The GLACIÄR X5 Splash Guard shields your detector from water splashes, ensuring consistent and reliable performance in wet environments.
	3500-0090	Splash guard for GLACIÄR X5
	Sun Shade	The Sun Shade for GLACIÄR X5 serves dual purposes as a rain-guard and sun glare protector, ensuring protection from both weather elements for a comfortable experience.
	3500-0085	Sun Shade/Rain-Guard for GLACIÄR X5
	Pole Clamp	The Pole Clamp provides an easy and versatile installation option for the GLACIÄR X5.
	3500-0086	Pole Clamp for GLACIÄR X5
	Protection Filter Disk	The Protection Filter Disk is essential when installing the splash guard for the GLACIÄR X5 sensor head, preventing costly system shutdowns caused by blockages. Specifically designed to purify various fluids, it is ideal for applications such as water irrigation.
	3500-0089	Protection Filter Disk for GLACIÄR X5. Note: Requires ATEX Splash Guard
	Spare X5 ATEX Housing	Spare ATEX housing ensures you can maintain the safety and functionality of GLACIÄR X5.
	3500-0093	Spare ATEX Housing for GLACIÄR X5
	Duct Adapter Type 5	
	3500-0104	Duct Adapter Type 5 for GLACIÄR X5

ACCESSORIES LIBRARY

Image	Model / Order Code	Details
	Spare Plug in PCB set	Replacement plugs for the PCB are available for individual purchase.
	3500-0091	Spare plug in PCB set for GLACIÄR X5
	Replacement Base	Replacement bases are readily available for purchase to ensure your device continues to perform at its best.
	3500-0092	Replacement Base for GLACIÄR X5
Pipe Adapter + Silencer		
	3500-0105	Pipe Adapter + Silencer for GLACIÄR X5
Calibration Adapter		
	3500-0106	Calibration Adapter for GLACIÄR X5
Pipe Adapter Kit		
	3500-0110	Pipe Adapter Kit for GLACIÄR X5 incl. Duct Adapter, Pole Clamp, Pipe Adapter + Silencer
Barrier Gland Kit		
	3500-0118	Barrier Gland Kit for GLACIÄR X5 for IIC, H ₂ , C ₂ H ₂ , CS ₂

GLACIÄR RM

Image	Model / Order Code	Details
	Calibration Kit	GLACIÄR RM Calibration Kit for for precise and easy calibration, ensuring your detector's optimal performance and accuracy.
	6201-0001	GLACIÄR RM Calibration Kit

ACCESSORIES LIBRARY

ALARMS LIGHT AND SOUND

Image	Model / Order Code		Details
	Flashing Lights		For indoor or outdoor mounting IP54 with standard low socket Dimensions: 93x75mm Ambient temperature: -25oC..+70oC Option: High socket with side entry cable glands. (2 models) IP65 with high socket
	40-4021	BE-A-24VDC	Orange, 9..60V DC (88mA at 24V DC)
	40-4022	BE-R-24VDC	Red, 9..60V DC (88mA at 24V DC)
	40-4023	BE-BL-24VDC	Blue, 9..60V DC (88mA at 24V DC)
	40-415	SOCK-H-R	High socket, red
	40-420	SOCK-H-R-230	High socket for 230V AC, red
	Combined flashing Light and Siren		Flashing light and siren can be activated separately. DIP-switches for selection of signal IP65 with standard high socket Dimensions ØxH: 93x120mm Ambient temperature: -10oC..+55oC Option: 230V AC socket
	40-440	FL-RL-R	Red, combined flashing light & siren, 18..28V DC (85mA at 24V DC)
	40-441	FL-BL-V-SEP	Blue, combined flashing light & siren, 18..28V DC (85mA at 24V DC)
	40-420	SOCK-H-R-230	Socket for 230V AC
	Siren		For indoor or outdoor mounting DIP-switches for selection of signal Built-in volume control IP54 with standard low socket Dimensions: 93x75mm Ambient temperature: -25oC..+80oC Option: High socket with side entry cable glands. (2 models) IP65 with high socket
	40-410	1992-R-LP	Red, 9..28V DC
	40-415	SOCK-H-R	High socket, red
	40-420	SOCK-H-R-230	High socket for 230V AC, red

DUCT MOUNTING KIT

Image	Model / Order Code		Details
	Duct mounting kit		Mounting kit for detection in ventilation ducts
	60-800	None	Connection tube: 2 x 20mm Ø Compatible with: GSH, GSMB, GSLS, MPS, TR-IR, TR-EC

BATTERY BACK-UP

Image	Model / Order Code		Details
	UPS 5000		Output: 6, 12 or 24V DC Maximal load: 4A Batteries: 12V / 7Ah (Battery ordered separately) Housing: Metal, IP21 Dimensions: 370x330x95 mm
	40-221 80-320 *	UPS5000 Battery 12V/7Ah	Weight 2,4 kg
	UPS 1000		Output: 27,3V DC Maximal load: 1A Batteries: 12V / 1,2 Ah (Battery ordered separately) Housing: Metal, IP30 Dimensions: 200x135x60 mm
	4000-0003	UPS1000 battery back-up (Sweden only)	UPS1000 battery back-up with an easy installation, can be paralleled for higher output power or voltage drop compensation, making it ideal solution during the power loss. This power back-up requires two 12V 1,2Ah batteries (P/N 4000-0004)
	4000-0001	UPS1000 battery back-up (w/o batteries)	
	4000-0004 *	UPS1000 battery	

* Batteries can be handled as 'dangerous goods' by shipping companies, which can add very high extra cost. In those cases, we recommend batteries to be purchased locally.

PROTECTIVE EQUIPMENT

Image	Model / Order Code		Details
	Protection Bracket		Bracket in 3mm stainless steel to be mounted as protection for detectors etc. Width: 50mm
	40-901 40-902	Protection bracket Big Protection bracket Small	Inner dimension L x H: 174x92mm (fits e.g. the GD24/230 series) Inner dimension L x H: 94x92mm (fits e.g. the MP series)
	Sensor Protection Cap		Protection of sensor during construction time.
	DEL659 DEL660	Sensor protection large Sensor protection small	For GS/GSR/TR-SC/MP-DS For GR/TR-SCR/MP-DR

DEMO STANDS

Image	Model / Order Code		Details
	GLACIÄR MIDI Demo stand		Demo and exhibition unit based on the Glaciär MIDI gas detector. Includes power supply.
	31-210-DEMOKIT 31-220-DEMOKIT	Glaciär MIDI CO ₂ - DEMO Glaciär MIDI HFC - DEMO	Sample CO ₂ gas detector for demonstration Sample HFC gas detector for demonstration



Modern site safety in the palm of your hand

GasNet™ is Safe Monitoring Group's remote monitoring platform. It gives you secure access to your gas detection system from any connected device. Check live system status, download data remotely, track historic sensor performance through integrated event logging and receive SMS and email alerts. GasNet hardware is backed by our 10-year warranty for long-term reliability.

Highlights

SMS and email alerts

Receive real-time notifications for alarms, faults and status changes, keeping you informed wherever you are.

Access your data

Download data logs, event histories and historic sensor data remotely via a secure server, to support audits, compliance checks, trend tracking and data-driven decisions.

Live system visibility

View real-time detector statuses, alarms, fault conditions and overall system health through a clear and accessible dashboard. It gives you secure access to your gas detection system from any connected device. Check live system status, download data remotely, track historic sensor performance through integrated event logging and receive SMS and email alerts. GasNet hardware is backed by our 10-year warranty for long-term reliability.

Minimise site visits

Reduce unnecessary callouts and travel by diagnosing issues, accessing data and responding to alerts remotely.

Multi-site monitoring

Monitor several locations from a single platform. Switch between sites instantly and maintain full oversight across your gas detection network.



About us

Global Safety. Local Expertise.

Safe Monitoring Group unites leading specialist companies in gas detection, monitoring, and analysis - combining global strength with deep local expertise to deliver smarter, safer, and more sustainable solutions across industries worldwide.

From supermarkets and medical facilities to heavy industry, renewables, tunnels, and logistics, our companies are trusted partners in protecting people, operations, and the environment. Together, we develop innovation with purpose - combining advanced technology, smart connectivity, and data-driven insights to create safer environments and a stronger future.

One Group. Many Experts.
Global Reach. Local Commitment.
Safer, Together.

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LET'S CONNECT!

☎ +46 40 15 58 59

✉ info@samon.com

🌐 www.samon.com

📍 HQ: Modemgatan 10
SE-235 39 Vellinge
Sweden

🌐 [linkedin.com/company/samon](https://www.linkedin.com/company/samon)

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