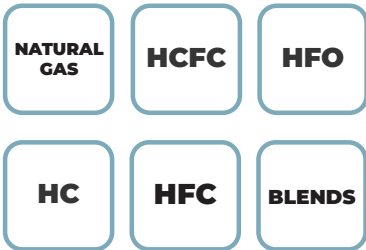


cool guardian

NEW



REFRIGERANT GAS TRANSMITTER

Cool Guardian Refrigerant Leak Detector, characterized by fast response time, **low-temperature performance** (-40°C/50°C), and **integrated audio and visual alarms**, simplifies and facilitates compliance to safety regulations. Modern refrigeration systems are engineered for optimal efficiency and airtight integrity. However, improper installation, unintentional damage, or mechanical wear and tear can potentially lead to hazardous leaks. In this context, Cool Guardian gas transmitter **serves as vigilant guardian against unforeseen leaks**, which could compromise both the environment and human well-being.

TECHNICAL FEATURES

Power supply voltage:	12 .. 24 Vac ± 10% or 12 .. 24 Vdc ± 10%
Power absorption:	5 W
Relay outputs	
Contact rating:	3 x 1A 30 Vac (voltage free)
Analog Output:	4-20mA, 0-5V, 0-10V, 1-5V, 2-10V - configurable via App
Modbus® output:	Via RS485 with Modbus® RTU protocol Up to 32 connectable devices
Protection degree:	IP65 (With cables/plugs inserted in the cable glands)
Operating temperature:	-40 .. +50 °C (-40 .. +122 °F)
Operating humidity:	20% .. 90% RH (non-condensing)
SIZE (W x H x D):	190 x 176x 112 mm (7.5 x 7 x 4.4 inch)

Code	Gas	sensor type	Range
Cool Guardian CO2 (R744)	CO2 (R744)	NDIR	0 .. 10.000 ppm
Cool Guardian R410A	R410A	Semiconductor	0 .. 1.000 ppm
Cool Guardian R134A	R134A	Semiconductor	0 .. 1.000 ppm
Cool Guardian R32	R32	Semiconductor	0 .. 1.000 ppm
Cool Guardian R454B	R454B	Semiconductor	0 .. 1.000 ppm
Cool Guardian 407C	R407C	Semiconductor	0 .. 1.000 ppm
Cool Guardian R290	R290	Semiconductor	0 .. 2.500 ppm



ACKC01

Cool Guardian Calibration Kit

for performing bump tests and calibration. Includes a magnet for associating the transmitter with the Seitron Guard app.

(Note: Accessory not included in the kit)



Complete range of refrigerant gas sensors for various applications.

Choosing the appropriate gas sensor to monitor the presence of refrigerants in industrial processes, commercial cooling systems, or refrigeration plants is crucial when it comes to fixed gas transmitters.

The gas range is continuously expanding, and configurations can be customized upon request.

Below are the currently available gases:



Seitron Guard mobile app simplifies configuration, maintenance, and interaction with Cool Guardian gas transmitters.

Setup, calibration and use of the detectors is made simple and immediate, thanks to Bluetooth® connectivity:

- **Bump test / Calibration**
- **Product Configuration:** device renaming for easy locating, alarm thresholds setting and output settings management
- **Maintenance:** LED tests, buzzer function and relay control
- **User friendly monitoring**



Calibration Kit for Easy Field Calibration

Calibrating the Seitron Cool Guardian is made easy with our kit and the Seitron Guard mobile app.

The calibration kit includes a magnetic stick and a gas adapter. These items allow for on-field operations without removing the detector cover.

By following the step-by-step instructions on the app, the user can fine-tune the device, ensuring high-performance operations. Periodic bump testing and calibration of the Cool Guardian Stand Alone transmitter help maintain the safety and efficiency of refrigeration systems.

