seitron

REFRIGERATION

2026 CATALOGUE

seitron

For 45 years, we have been designing technological evolution at the service of professionals

Since 1981, Seitron has represented Italian excellence in **thermoregulation**, **gas safety**, and **instruments for combustion**, **emissions** and **refrigeration analysis**.

Our figures demonstrate our deep-rooted solidity: **45 years of history**, a widespread presence in **80 countries** and a range of **over 500 products**. Every product is created within our company, where the entire supply chain is strictly controlled: from electronic design to plastic moulding, right up to final testing in our certified laboratories.

Innovation is the driving force behind our daily work. With significant investments in R&D and a strong focus on IoT, we have led the transition from mechanical thermostats to smart cloud-integrated systems, redefined the standards of professional combustion analysis and paid close attention to the safety of systems and professionals.

Choosing Seitron means relying on total quality, guaranteed by **Italian manufacturing processes** and rigorous testing that ensures product precision and durability over time.

Looking through this catalogue, you will discover the result of this commitment: tools designed for those who choose reliability and professionalism every day.

Seitron Milestones

Foundation
Seitrons' story begins in Bassano del Grappa, from an entrepreneurial idea by Ing. Vito Feleppa.
The first steps were taken in the field of thermoregulation.
1981

Seitron Americas
Seitron Americas is established, marking the first step towards consolidating the company's presence on the American continent.
2021

45 years of activity
A journey of constant growth that has transformed experience and technology into value for customers and partners worldwide.
2026

Technological Milestones

1985
Residential gas detectors
Seitron expands its product offering in the gas safety sector, initiating the development of residential gas detectors.

2004
Combustion analyzers
Seitron begins to develop and manufacture a complete range of portable instruments and combustion analysers.

2019
IoT products
Seitron takes its first steps into the Internet of Things sector, developing and producing connected thermostats, manageable via app.

2022
Refrigeration
Seitron expands its market presence by entering the refrigeration sector.

2024
Portable gas detectors
A new chapter begins for Seitron, which introduces its latest innovation: single-gas and multi-gas portable detectors.
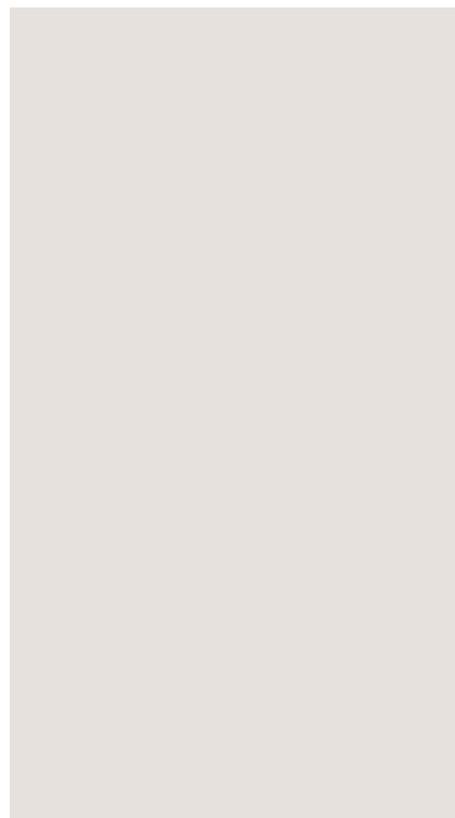
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PRODUCTS

Our range of refrigeration tools is designed to offer precise and reliable solutions to professionals. From charging systems to control instruments, our products guarantee high performance and perfect accuracy in every job.

The Seitron product range includes all the instruments needed to carry out accurate and effective installation and maintenance on residential air conditioning, commercial and industrial refrigeration systems.
The manifold is an essential instruments for the management and maintenance of refrigeration systems.
The vacuum gauge is essential for obtaining the correct vacuum measurement in the systems, which is a fundamental information for proper installation and maintenance.
The refrigerant gas scale ensures precise recharging of refrigeration systems, offering accurate control of the weight of the refrigerant introduced.

DIGITAL MANIFOLD SMART KIT
BE COOL EVO SMART KIT
POFD021

NEW

be cool evo
Design and Made in ITALY

Be Cool Evo Smart Kit is the advanced solution designed for refrigeration and air conditioning professionals who want to work more efficiently, accurately and connected. Thanks to the integration of **Bluetooth® wireless technology** and an intuitive interface, the Be Cool Evo Smart Kit allows for immediate control and intelligent management of measurements, improving work organisation and reducing time. The ability to monitor data in real time and access smart functions makes every operation faster, more accurate and more professional.

Designed to adapt to the needs of a constantly evolving sector, **the Be Cool Evo Smart Kit** is a reliable ally for those seeking innovation, connectivity and performance in a single solution.

Highlights

A2L COMPATIBLE

A3 COMPATIBLE

A1, A2, A2L and A3 COMPATIBLE
Wide selection of refrigerants, including R410A, R32, R454B, R290 (updatable list)

100% WIRELESS TECHNOLOGY
Wireless probes for practical, space-saving measurements

TOTAL CONTROL & INSTANT REPORTING
Real-time monitoring, data logging, graphs and generation of reports also via app

INTUITIVE TOUCH DISPLAY
5" colour display visible even outdoors (Dark Mode option)

Technical Features

Display	5" touch display with scratch-resistant glass cover lens
Power supply	Rechargeable Li-On battery (charges via USB-C)
IP rating	IP54
Dimensions (WxDxH)	21 x 22 x 5 cm
Refrigerant list	More than 150 refrigerant gases
Data Logging	> 72 hours
Communication	Bluetooth® (5.0)
Working temperature	-10 .. +50 °C (14 .. 122 °F)
Measurement range	-1 to 55 bar (-14 to 798 psi)
	0.5% full scale
Units of measurement	bar, psi, kPa, MPa, inHg, kg/cm², cmHg
Resolution	0.01 bar
Overload	65 bar (943 psi)
Probe inputs	3x ¼" SAE Male + 1x 3/8" SAE Male

Robust suitcase

Large display
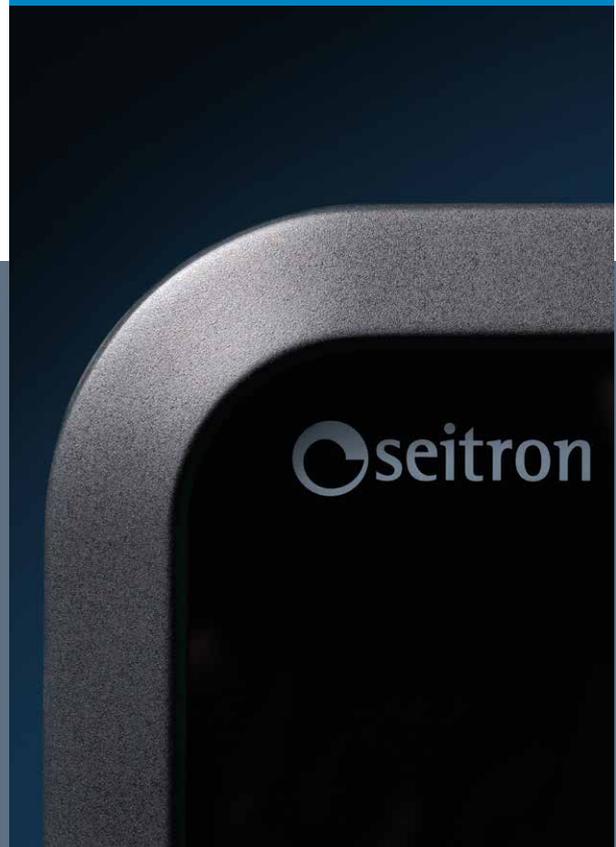
FEATURES

- Simple and intuitive interface
- Numerical and graphical data display
- Sturdy and easy-to-handle structure, with steel hook

MEASUREMENTS AND TESTS

- Real-time temperature and pressure monitoring of the entire system
- Subcooling and overheating calculation
- Vacuum measurements
- Pressure leak test of the system
- Weighing of the refrigerant gas cylinder when replacing or refilling the system

ACCESSORIES

- Smart temperature probes
- Smart digital vacuum gauge
- Robust flexible tubes with Teflon gaskets
- T-joint connecting fitting

The kit includes:

- Be Cool Evo M4S – 4-way digital ManifoldBe Cool Evo V1S – digital vacuum gauge with T-fitting (batteries included)
- Be Cool Evo T1S – smart temperature probes (2 units) (batteries included)
- Flexible connection tubes with 1/4" SAE (3 units) and 3/8" SAE connections (1 unit)
- USB-C charging cable
- Carrying case with shoulder strap
- Test report
- Quick guide

Seitron Smart Analysis

GET IT ON Google Play | Download on the App Store | EXPLORE IT ON AppGallery

The **Seitron Smart Analysis** app allows you to constantly monitor measurements dedicated to plant maintenance.

By using Seitron Smart Analysis, you can:

- Initiate measures
- View real-time data remotely
- Change settings
- Generate and share reports

be cool evo

SMART DIGITAL VACUUM GAUGE
Be Cool Evo V1S
POVG02

Design and Made in ITALY

Be Cool Evo V1S is a smart, battery-powered digital vacuum gauge, suitable for accurately and easily measuring the vacuum in refrigeration systems and heat pumps.

Thanks to Bluetooth® communication, vacuum data can be monitored in real time from the manifold or from the Seitron Smart Analysis mobile app.

Technical Features

Power supply Battery operated	(2 x AA alkaline batteries) or rechargeable NiMH)
IP rating	IP54
Dimensions (WxDxH)	17 x 3.5 x 3 cm
Communication	Bluetooth® 5.0
Working temperature	-10 to +50 °C
Measurement range	1 .. 20,000 microns (1 .. 2,666 Pa)
Accuracy	±10% rdg + 10u (1 .. 10,000 microns)
	±20% rdg (10.001 .. 20.000 microns)
Measurement units	µ, mTorr, mbar, Torr, psia, inHg, kPa, Pa
Resolution	1 micron (0 .. 9,999 microns)
	10 microns (10,000 to 20,000 microns)
	0.1 Pa (0 to 1,333.2 Pa)
	1 Pa (1,333.3 to 2,666,6 Pa)
Connections	1/4" SAE (7/16" UNF)

NEW

batteries included

Seitron Smart Analysis

GET IT ON Google Play   Download on the App Store   EXPLORE IT ON AppGallery

ARRC01
T-joint
(included in the KIT)

SMART TEMPERATURE PROBE
Be Cool Evo T1S
SBT001

Designed for efficient maintenance of HVAC/R systems (refrigeration, air conditioning and heating, both residential and industrial), **Be Cool Evo T1S** is a versatile clamp-on temperature probe that connects to a manifold or smartphone, and can also be used as a stand-alone device.

Design and Made in ITALY

NEW

batteries included

Seitron Smart Analysis

Technical Features

Power supply	Battery operated (2 x AAA alkaline batteries) or rechargeable NiMH)
IP rating	IP54
Dimensions (WxDxH)	18 x 3 x 8.5 cm
Communication	Bluetooth® 5.0
Working temperature	-10 to +50 °C (14 to 122 °F)
Internal temperature	NTC sensor (removable)
Measurement range	-50 to 150 °C (-58 to 302 °F)
Accuracy	±1.0°C (±1.8°F)
Measurement units	°C / °F / K°
Resolution	0.1 °C (0.2 °F)
Compatible pipe	6 .. 35 mm

SCALES FOR REFRIGERANT GASES (UP TO 100 KG)
BE COOL B100
POBD01

Be Cool B100 is the wireless scale for refrigerant gases, which allows you to measure the weight of gases (up to 100 kg) easily, accurately and quickly.
The measured values can be managed and displayed either from the paired remote control or via the Seitron Smart Analysis mobile app.
Compatible with Seitron Be Cool M4 and Be Cool Evo M4S Manifold.

Design and Made in ITALY

batteries included

Seitron Smart Analysis

Technical Features

Battery power supply	5 x 1.5V AA
Remote control	5 x 1.5V AA
	0 .. 100 kg
Resolution	5 g
Accuracy	±0.05% rdg +10g
Settable Measure units	kg, lb
Dimensions (HxWxD)	271x271x74 mm

PORTABLE MULTIGAS DETECTOR
Be Safe MG
O2 LL - LEL (R290)

Design and Made in ITALY

Be Safe MG is a portable multi-gas detector designed for the personal safety of technicians working with toxic gases or flammable refrigerants, including R290.

Certified for **ATEX Zone 0** explosion risk areas, it guarantees absolute protection and maximum ease of operation during the installation and maintenance of HVAC/R systems.

Technical Features

• Configuration dedicated to heating and plumbing engineers
• 3-year warranty
• Approved for **ATEX Zone 0**
• Audible, visual and vibration alarm
• Ready to use with verification test kit

Gas	Sensor type	Measuring range	Resolution
O2 Long Life	Electrochemical	0 to 25% by volume	0.1% vol
LEL (R290)	MEMS	0 .. 5% vol 0 .. 100% LEL	0.01% vol 1% LEL

Other configurations available on request with the possibility of configuring the instrument with up to 4 sensors chosen from:

O2, LEL, CO, H2S, NO, NO2, SO2, NH3, H2, CL2 and Dual CO+H2S.

O2 Longlife

LEL (R290)

Contents of the Be Safe MG kit:

• Portable gas detector
• Docking station, with accessory for wall mounting
• Calibration adapter and gas tube
• USB cable for battery charging and PC software connection
• Quick Guide
• Test report
• EC Declaration of Conformity

ACCESSORIES

CODE	DESCRIPTION
ARKT01	Be Cool Evo Manifold Flexible Hose Kit: - Yellow flexible hose, without valve, 3/8" SAE connection with seals (1 piece) - Yellow flexible hose, with valve, 1/4" SAE connection with seals (1 pc) - Blue flexible hose, with valve, 1/4" SAE connection with seals (1 pc) - Red flexible hose, with valve, 1/4" SAE connection with seals (1 pc)
ARRC01	T-joint for Be Cool V1 and Be Cool V1S vacuum gauges with central connection and swivel connector - 1/4" SAE

CALIBRATION CERTIFICATES Be Cool SERIES

CODE	DESCRIPTION
CER030	Calibration certificate for Be Cool M4 4-way manifold complete with customised external probes for high pressure, low pressure, temperature and vacuum pressure (2 points for each measurement).
CER031	Calibration certificate for Be Cool V1 smart digital vacuum gauge with vacuum pressure measurement (2 points)
CER032	Calibration certificate for Be Cool B100 refrigerant gas scale (up to 100 kg) with weight measurement (10 points)
CER033	Be Cool R1 heated diode refrigerant leak detector test with sample leak tests < 5 g/a (10 tests)

CALIBRATION CERTIFICATES Be Cool Evo SERIES

CODE	DESCRIPTION
CER035	Calibration certificate for instruments included in the Be Cool Evo Smart Kit: - Be Cool Evo M4S (POFD02): high pressure and low pressure measurement (2 points each) - Be Cool Evo V1S (POVG02): measures vacuum pressure (2 points each) - Be Cool Evo T1S (SBT001): measures temperature for each probe (2 points each)
CER036	Calibration certificate on Be Cool Evo M4S 4-way digital Manifold (POFD02): measures high pressure and low pressure (2 points each)
CER037	Calibration certificate on Be Cool Evo V1S smart digital vacuum gauge (POVG02): vacuum pressure measurement (2 points each)
CER038	Calibration certificate on Be Cool Evo T1S smart digital temperature probes (SBT001): temperature measurement for each probe (2 points each)

Fixed transmitters for refrigeration are essential for continuously monitoring the presence of refrigerant gases in the air. Used primarily in industrial and commercial environments, these devices are designed to detect gas leaks that could be harmful to the environment and human health.

Seitron offers a range of products suitable for detecting various refrigerant gases to ensure reliable and constant monitoring, helping to keep workplaces safe and compliant with environmental standards.

Fixed transmitters
for refrigerant gases

cool 〜
guardian

COOL GUARDIAN
REFRIGERANT GAS TRANSMITTER

| R744 (CO2) | R410A | R134A | R32 |
| R454B | R407C | R290 | R717 (NH3) |

FULL RANGE OF REFRIGERANT GASES

OUTPUTS
Configurable analogue outputs
(4 .. 20 mA, 0 .. 5 V, 0 .. 10 V,
 1 .. 5 V, 2 .. 10 V)

MODBUS® COMMUNICATION
Up to 32 devices connectable via RS485 interface

RELAY OUTPUTS
3 relays acting as fault detectors and activating low and high level alarms

GREATER SAFETY
Built-in audible and visual alarms for immediate warning of danger, in compliance with safety regulations

EASY MAINTENANCE
Possibility to perform on-site calibration with mobile App

Design and Made in ITALY

The **Cool Guardian** refrigerant leak detector guarantees fast response times, high performance even at low temperatures (-40 °C), and integrated audio and visual alarms.

Modern refrigeration systems are designed to ensure maximum efficiency.
However, incorrect installation, accidental damage or mechanical wear can potentially lead to dangerous gas leaks.

In this context, the **Cool Guardian** gas transmitter serves as a watchdog against unexpected leaks, which could compromise both environment and health.

Technical Features

Power supply	12 .. 24 Vac ± 10% or 12 .. 24 Vdc ± 10%
Power absorption	5 W
Relay outputs	3 x 1 A 30 Vac (voltage-free contacts)
Analogue output	4..20 mA, 0..5 V, 0..10 V, 1..5 V, 2..10 V - configurable via app
Modbus® output	RS485 Modbus® RTU protocol up to 32 connectable devices
IP rating	IP65 (with caps/plugs inserted into cable)
Working temperature	-40 to +50 °C
Humidity	20% .. 90% RH (non-condensing)
Dimensions (HxWxD)	176x192x83 mm

Code	Gas	Sensor Type	Range
Cool Guardian R744 (CO2)	R744 (CO_2)	NDIR	0 to 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
Cool Guardian R717 (NH3)	R717 (ammonia)	Electrochemical	0 to 100 ppm

Seitron Guard

GET IT ON Google Play · Download on the App Store · EXPLORE IT ON AppGallery

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

- Bump test/calibration
- Device configuration
- Setting thresholds and managing output settings
- Maintenance: LED test, buzzer and relay check
- Intuitive monitoring

ACKC01
Safe and Cool Guardian calibration kit
to perform bump tests and calibration.
Includes magnet for pairing the transmitter with the Seitron Guard app.
(Accessory not included in the kit)

PROGRAMMABLE CONTROL UNIT
GAS MASTER CONTROL
RYF01M

Gas Master logo
Gas Master Control

Design and Made in ITALY

Gas Master Control is the gas detection control unit that allows you to manage transmitters for combustible, toxic and refrigerant gases. Up to 40 transmitters can be connected simultaneously, thanks to the 4 .. 20 mA analogue inputs and the Modbus® RTU output.

Each transmitter (slave) is capable of detecting a specific gas and can communicate its status to the control unit (master), which can activate any associated loads. In fact, the two additional inputs allow the control unit to be connected to the fire alarm or manual reset button.

Technical Features

Power supply	85 .. 254 Vac 50 .. 60 Hz
	12 Vdc
Inputs	8 x 4 .. 20 mA
	1 fire alarm input
	1 input for manual reset
Modbus® RTU (via RS485)	up to 32 gas transmitters
Outputs	5 x 5 A 250 Vac SPDT outputs
Graphic LCD	180x128
Dimensions (HxWxD)	276.7x198.4x95.8 mm

Accessories

ACSR02
Siren with light and sound indicator
Power supply: 7 .. 30 Vdc
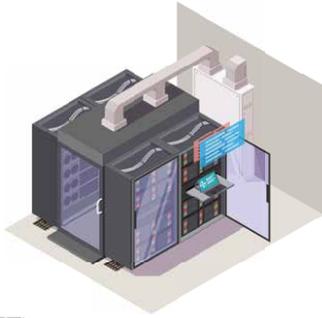Power consumption: 2 W
Sound intensity: 100 dB/m

ACSR03
Siren with light and sound indicator
Power supply: 85 .. 264 Vac, 50 .. 60 Hz
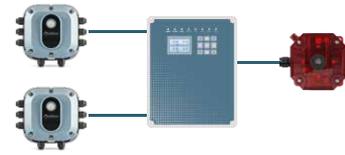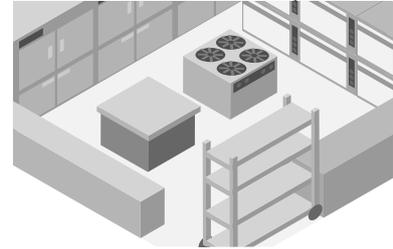Power consumption: 6 W
Sound intensity: 100 dB/m
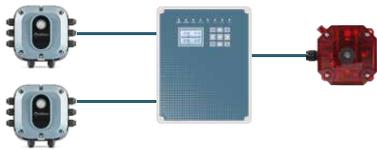
Examples of application
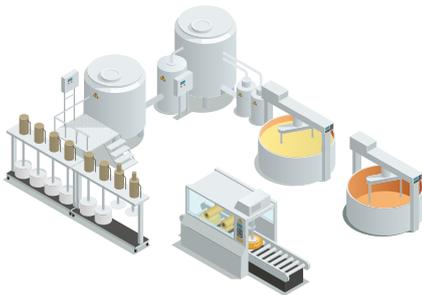
DATA CENTRE INFRASTRUCTURE
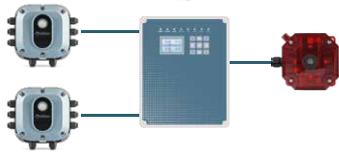
- Cool Guardian Series
- Gas Master Control (RYF01M)
- Alarms (ACSR02/3)

COLD STORAGE ROOMS

- Cool Guardian Series
- Gas Master Control (RYF01M)
- Alarms (ACSR02/3)

FOOD INDUSTRY

- Cool Guardian Series
- Gas Master Control (RYF01M)
- Alarms (ACSR02/3)

SEITRON SUPPORT AND WARRANTY

Seitron is at your complete disposal to provide existing and potential customers with all the information they need during the pre- and post-sales phases.

Our staff will be happy to provide support at every stage of the purchase process, right through to resolving any issues that may arise during use of the product.

CONTACT US
customer.care@seitron.it

WRITE US ON WHATSAPP
+39 329 1444390

TALK WITH US
+39 0424 567842

AUTHORISATION FOR RETURN

Contact Seitron Customer Care to request your return authorisation number (RMA).

online form

customer.care@seitron.it

0424 567842 (Extension 1)

WhatsApp 329 144 4390

Once obtained, wait for instructions on how to send the goods. Returns must always be accompanied by a Transport Document, where the authorisation number is present. Returns without an RMA will lose their priority.

Following careful technical verification, Seitron undertakes to repair or replace products covered by warranty, returning them to the customer at its own expense.

EASY RETURN PROCEDURE

With a view to the continuous development of its products, Seitron reserves the right to make changes to technical data and performance without prior notice. Visit our website www.seitron.com to view the latest version of technical documentation, manuals and catalogues.

seitron

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