

Newsletter

April 2026

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Testo Thermal Imaging Cameras

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Testo 860i

Wireless thermal imager for smartphones

Ideal for building inspectors/contractors, carpenters & maintenance technicians

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Testo 883

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A 'must-have' tool kit for electricians, maintenance staff, facility managers & building energy consultants who wish to rely on the best thermal image quality and features for their thermal measuring tasks.

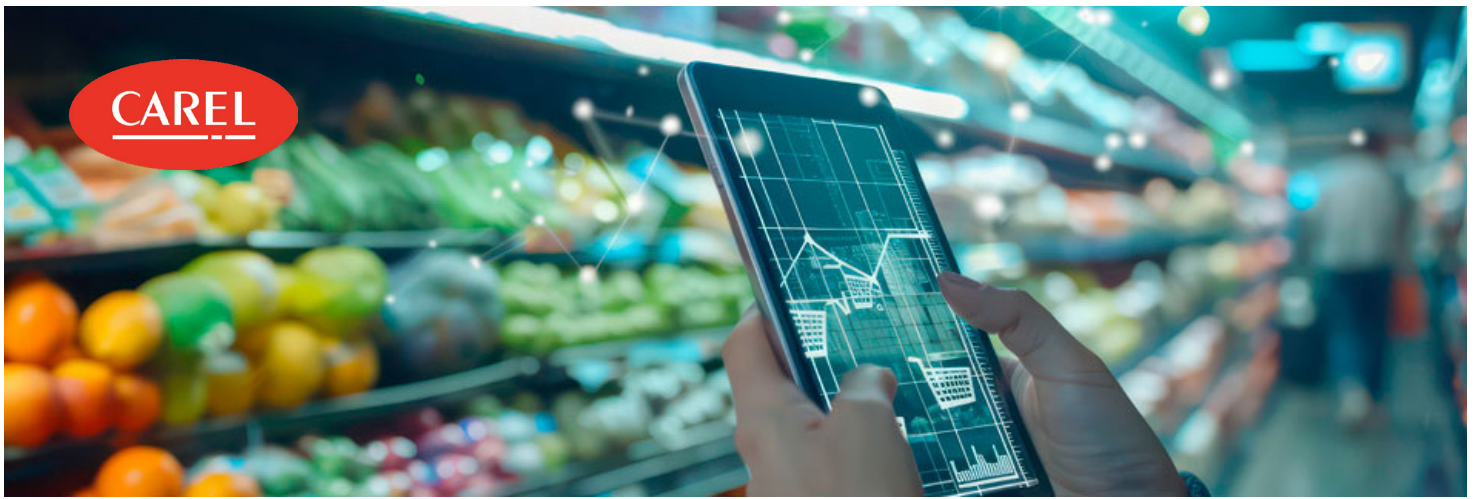


CAT 1 Thermography Certification Courses 2026

25th- 29th May
24th- 28th August
9th- 13th November

Find out more www.testo.nz

For more info contact your local Eurotec Sales Engineer or give us a call: 09 579 1990
or email sales@eurotec.co.nz



Digitalisation in the HVAC/R market: where we are, barriers and opportunities (Part 1)

In refrigeration, multi-level digital integration—from field-level controllers to cloud-based analytics—enables precise temperature management, energy optimisation, and predictive maintenance, particularly in large-scale environments like supermarkets.

In contrast, HVAC systems in residential, commercial, and industrial buildings are evolving into integrated building ecosystems. These systems go beyond temperature control to connect with lighting, fire safety, security, and automation, often tailored to specific project requirements rather than standardised designs.

As regulatory frameworks and technology adoption continue to advance, digitalisation will only accelerate—bringing greater efficiency, smarter operations, and new opportunities for innovation across the HVAC/R landscape. Digitalisation is accelerating, but challenges remain. Click [here](#) to learn about the top five barriers.



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ARBS 2026

AIR CONDITIONING, REFRIGERATION BUILDING SERVICES EXHIBITION

5-7 MAY 2026

MCEC MELBOURNE

Event: ARBS 2026, Melbourne

Join us at ARBS Exhibition 2026 — the leading event for the air conditioning, refrigeration, and building services industry.

Bringing together thousands of professionals, ARBS showcases the latest technologies, products, and solutions, while offering the opportunity to connect with suppliers and industry experts.

Explore our latest technologies, products, and solutions, and connect with our team to discuss how we can support your projects.

Date 5–7 May 2026

Venue: Melbourne Convention & Exhibition Centre (MCEC), Melbourne

[Register here](#)

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HVAC • Refrigeration • Electrical • Measurement



Why carpark ventilation system is important?

The Car Park Ventilation controller enables control of car park fans (exhaust/supply/jet fans) via Modbus control signals. Car parking facilities come in various sizes, layouts, and locations, handling different volumes and types of vehicles. Multiple zones can be set up using expansion modules, for managing and monitoring car park fans and sensors.

While open lots have natural airflow, enclosed parking structures like underground garages and parkades rely on mechanical ventilation to keep the air safe. Proper ventilation is crucial because, without it, exhaust from idling or slow-moving vehicles can accumulate, leading to hazardous air quality. Ventilation systems prevent the buildup of harmful gases like carbon monoxide, ensuring a safe environment for users and avoiding health risks.

Carbon monoxide, the primary exhaust gas, can reach harmful levels, and diesel-powered vehicles may also emit nitrogen dioxide. To ensure a safe, breathable environment and reduce the energy costs associated with ventilation, a gas detection system is essential in these enclosed spaces.

The controller operates the car park ventilation system in accordance with AS 1668.2:2012 by checking carbon monoxide levels and regulating the ventilation system. Expansion modules can be added to the system for individual zone control and Mechanical Service Switch Board control (Auto/ Off/On). The controller can also be integrated into the building Fire system and will operate in accordance with AS 1668.1:2015.

The Carel c.pCO Mini controller can monitor up to 256 devices via Modbus Communication. Therefore, the controller can be configured to any requirement. For a car park ventilation system, we recommend the following:

- Jet Fans – Up to 100 EC Jet fans
- CO Analog sensors – 2 per connected fan
- CO Modbus sensors – Up to 50
- Variable Speed drives – Up to 50
- Expansion Boards – Up to 20
- Display of CO level in car park.
- Purge cycle once in a 24hr period to provide one air change.
- Ventilation rate will be varied between 15 and 45ppm.
- Fire panel integration with manual override control for Jet fans
- Smoke sensors – 1 Smoke + 1 analog CO sensor per connected fan
- System will be in sleep mode when CO levels are below 15ppm.
- System will run at 100% under all fault conditions.
- Boss Supervisory System – Connects to any system via Modbus, BACnet TCP/IP, BACnet MS/TP all built in. Allows remote monitoring of system.
- Mechanical Service Switch Board with 4 Fault Alarms, System OK indication, 3 mechanical switches for jet fans, supply fans and exhaust fans.



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- Reversing contactor **with mechanical interlock**.




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