

# Newsletter

August 2026

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## Testo Thermal Imaging Cameras

testo



### Testo 860i

#### Wireless thermal imager for smartphones

Ideal for Building Inspectors, Electrical/Mechanical Contractors & Maintenance Technicians

[Watch Video](#)

### Testo 883

#### Advanced Thermal Imager for Electrical and Insurance reporting applications

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

24th- 28th August

9th- 13th November

Find out more at [www.testo.nz](http://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](mailto:sales@eurotec.co.nz)



## CAREL EVD ice – Smart superheat control for refrigeration systems

The CAREL EVD ice is a compact electronic superheat controller designed for precise control of proportional electronic expansion valves in refrigeration systems. Engineered specifically for low-temperature environments, it can be installed directly on evaporators, cold rooms, and other refrigeration applications, simplifying installation and commissioning.

### Why Choose EVD ice?

- Easy Installation
- Pre-cabled accessories simplify installation and reduce commissioning time.
- Accurate Superheat Control
- Optimises refrigerant flow for improved system performance and reduced energy consumption.
- Reliable in Harsh Conditions
- IP65/IP67 protection and operation down to -30°C make it ideal for cold and humid environments.
- Future-Ready Refrigerants
- Compatible with natural refrigerants and modern HFO refrigerants.

[Learn More](#)



### More reliable Gen AI in HVAC/R: CAREL's new white paper on context engineering

CAREL has published a new white paper, "Gen AI in HVAC/R: Making It More Reliable – From Prompt Engineering to Context Engineering." Written by Giandomenico Lombello, the paper explores how generative AI can support technical and managerial work in HVAC/R by focusing not only on better prompts, but on providing the right context, reliable data and expert oversight.

It covers practical approaches including multimodality, AI Projects, grounding, RAG, role-based review and Deep Search, while highlighting the importance of security, data protection and compliance. **Download [here](#)**

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## 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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## BENNING IT 105

Safety-related tests of electrical installations after construction, modification or as periodic inspection can be carried out easily and efficiently by means of the installation tester.



### BENNING IT 105 Installation Tester – A complete Electrical Installation Testing Solution

**BENNING**

The BENNING IT 105 Installation Tester is designed to make safety testing of electrical installations fast, accurate and straightforward. Whether testing new installations, modifications or carrying out periodic inspections, it provides electricians with a reliable solution for verifying electrical safety and compliance. Its intuitive design and comprehensive testing capabilities make it an ideal instrument for everyday use in residential, commercial and industrial applications.

Built for ease of use, the BENNING IT 105 features a simple rotary switch that provides direct access to every measuring function, reducing setup time and improving efficiency on site. A large backlit graphic display ensures clear visibility of readings, while advanced testing functions deliver accurate and dependable results. Offering an outstanding price-to-performance ratio, the BENNING IT 105 combines versatility, reliability and user-friendly operation in one robust installation tester.



### Functions

- Low-impedance resistance measurement of protective conductor and equipotential bonding conductor connections (200 mA test current)
- Insulation resistance testing with selectable test voltages of 250 V, 500 V and 1000 V
- Loop impedance (L-PE) measurement without RCD tripping (NO-TRIP), with simultaneous display of the Prospective Fault Current (PFC)
- Line impedance (L-N/L) measurement with high test current (HIGH CURRENT), with simultaneous display of the Prospective Short Circuit Current (PSC)
- Automatic measurement of RCD tripping time and tripping current using the ramp method
- Voltage and frequency measurement up to 440 V
- Phase sequence testing for three-phase mains (L1-L2-L3)

**Learn More**

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