

Sensitron previews its new control panel AURA

12.01.2026

Founded in 1988, Sensitron, part of the Halma plc, is a global leader in designing and manufacturing advanced gas detection systems, offering solutions that ensure safety, sustainability, and efficiency across a wide range of industries. Committed to innovation, Sensitron today previewed AURA, its new control panel at Intersec Dubai 2026. Designed to manage systems with up to eight gas detectors, AURA represents the evolution of Sensitron's best-selling PL4+, a long-standing reference for reliable gas detection systems worldwide.

For more than 35 years, Sensitron has been developing fixed gas detection systems that protect people and environments across industrial, commercial, hospital, and marine applications. With AURA, the company introduces a new chapter in control panel design that preserves technical robustness and regulatory compliance while redefining usability, identity, and presence.



AURA builds on the heritage of the PL4+, known for its reliability, simplicity, and durability. AURA inherits this legacy and reinterprets it through a contemporary language, maintaining a strong and authentic connection to its origins.

The name AURA conveys a constant yet discreet presence, a protection that operates continuously, without the need to be seen. Just like a gas detection system, AURA monitors, interprets, and alerts silently and reliably, surrounding people and places with an invisible field of safety. It also represents a system concept: a network of interconnected detectors, sensors and devices operating within a defined area of protection.

“We chose a short, Italian name, far from technical terminology, to make it immediately recognizable and memorable over time,” says Marco Passadori, Managing Director of Sensitron. “Our products are designed to last over time. We are presenting this project today, but it is intended to accompany us in the years to come. In a rapidly evolving world, we build solid foundations to look ahead”.

With AURA, Sensitron introduces a new approach to a traditional technical sector, where functionality has often outweighed identity. To achieve this, the company partnered with AMDL Circle, the internationally renowned design studio founded by Michele De Lucchi.

Rather than focusing on aesthetics alone, the redesign starts from real-world use. Every element of AURA has been shaped around the people who interact with it daily—from how information is read and understood to how actions are performed in the field.

“We chose design as a strategy to complement our technical expertise, adding an element of differentiation in a highly competitive market.” explains Passadori. “Technology, compliance with standards, and experience are the foundations of our product development. The decision to introduce design stems from listening to those who use the product. From our ongoing dialogue with customers came the desire to create a control panel truly designed for its users.”

The result is a control panel with a pure, architectural pyramidal form, generated by a complete reconfiguration of its internal components.

AURA introduces a modern, structured interface where design and operation meet. Superfluous elements have been removed in favor of clear, contemporary, and intuitive visual communication.

A digital, multi-level login system replaces the physical key, ensuring greater operational control, traceability, and protection. Menus are organized according to a logical tree structure, allowing users to navigate naturally and access functions exactly where expected.

Buttons now state the action they perform, eliminating ambiguity and reducing the need for prior knowledge. Graphs, icons, and guided navigation tools support users throughout operation, making data easy to read and actions immediate.

AURA complies with the ATEX Directive 2014/34/EU, as well as key performance and functional safety standards, including EN IEC 60079-29-1 and EN 61508 / EN 50402 (SIL1).

The control panel can be configured directly via the display or through a PC. PC-based configuration allows settings to be saved, replicated across similar systems, and transferred easily. Event logs can be downloaded for advanced diagnostics, ensuring full system traceability and preventive control.

With AURA, Sensitron demonstrates its ability to innovate within a highly specialized and regulated industry, without losing sight of its roots. Designed to endure and to be recognized over time, AURA reflects a philosophy where strong heritage meets a new design language, a new interface, and a renewed vision to safety.

Visitors can discover more about AURA at Intersec Dubai 2026, from January 12 to 14. Presented as a preview on this occasion, AURA will be introduced to the market soon, offering a concrete insight into Sensitron's vision for the future of gas detection systems.

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