

Unique Signal Light by UWT for Maximum Safety in Ex Zones

NivoLED® – NL 9000 – Tough in any environment, flexible in every application

In many industries, safety and monitoring are top priorities – especially in hazardous areas, where every second counts and failure is not an option. This is where the NivoLED® – NL 9000 sets new standards: As the only signal light of its kind, it combines cutting-edge technology with uncompromising reliability.

Whether it's visualizing operating states, precise error diagnostics or seamless process monitoring – NivoLED® is not just a solution, it's the answer to the highest demands: safe. visible. smart.



Reliable Support for Point Level Sensors

In process plants, silos, or tanks, precise monitoring of fill levels is essential to prevent downtime, overfills, failures, or hazardous situations. The NivoLED® reliably signals whether a threshold has been reached. With its 360° visibility and dual-colour LED display, critical conditions can be identified at a glance, allowing prompt action to be taken. This ensures enhanced safety and optimised operational processes.



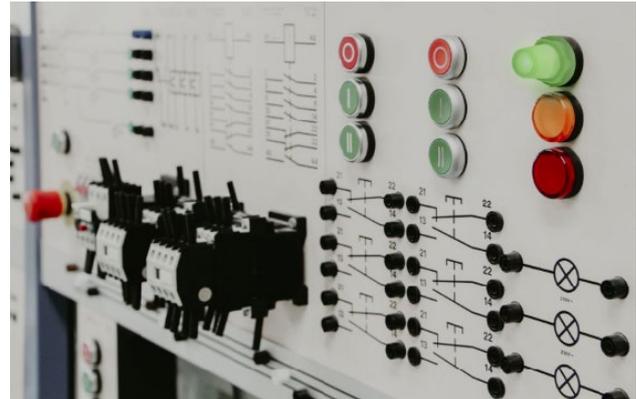
Clear Status Indicators in Control Cabinets

In complex hazardous areas, quickly and clearly understanding operating conditions is crucial. The dual-colour LEDs (red/green) of the signal light make the status of system components

visible, enabling rapid assessment. Additionally, they assist in fault diagnosis by clearly indicating potential issues, reducing response times in case of problems.

Process Monitoring at the Highest Level

In industrial process plants where valves, pumps, or other operational units need to be monitored, signal lights provide a crucial advantage. They visualise switching states and support process control. At the same time, they enhance safety by visually indicating whether an area is safe or potentially hazardous.



Technology for Demanding Conditions

The signal light is specifically designed for use in hazardous areas. Its robust design ensures reliable performance even in dusty or chemically aggressive environments. Certifications according to ATEX, IECEx, and cFMus guarantee compliance with the highest safety standards. Made from durable PVDF plastic and rated to IP66/NEMA Type 4X, it offers exceptional resistance to weather and chemicals. With an operating temperature range from -40°C to +60°C (-40 °F to +140 °F), it delivers reliable functionality even in extreme environmental conditions.

Versatile Applications Across Various Industries

With multiple connection threads (M20x1.5, NPT ½") and supply voltage options, the signal light is highly flexible and can be easily integrated into existing systems. Its versatility is also evident in its compatibility with various setups: whether for level sensors, control cabinets, or process plants, the NivoLED® integrates seamlessly. It is compatible with all common relay and transistor outputs, ensuring smooth connections to existing control systems. The efficient LED technology provides clear visualisation with minimal energy consumption while ensuring long service life—perfect for continuous operation.

The demands of various industries make the NivoLED® - NL 9000 an indispensable partner:

Chemical and Petrochemical Industries: Precise level monitoring and reliable warning signals to enhance process safety.

Food and Beverage Production: Hygienic and safe visualisation in demanding production environments.

Pharmaceutical Industry: Efficient process monitoring, even in aggressive environments and with sensitive substances.

Recycling and Waste Management: Clear status indicators in dust-laden environments, such as waste incineration plants.

Energy and Utility Providers: Efficient monitoring of gas plants and power supply systems.

With its versatility and robust design, the NivoLED® - NL 9000 offers a reliable solution for safety-critical applications in hazardous areas – across all industries.

Hyperlinks to the article:

UWT Level Monitoring & Visualisation
[Level monitoring and visualisation systems | UWT](#)

Teaser Video: NivoLED® Signal Light

<https://youtu.be/6q0jJQyCxBs>

About UWT GmbH:

UWT. LEVEL. UP TO THE MAX.

As an expert in level measurement technology, UWT is the reliable, global solution provider for the simple, safe and accurate detection of levels and limit levels across a wide variety of industries and applications since 1977. Whether its bulk goods, liquids, pastes or foams - with product lines such as Rotonivo®, Vibranivo® or NivoBob®, UWT is synonymous with the faultless measurement technology solution for almost any application. UWT offers with its standard products and special options the perfect measurement provision for every application and places collaboration on an equal footing.

With production sites in Betzigau and in Malta, as well as further locations in the USA, Great Britain, Spain, China, India, Brazil and Mexico, more than a million applications have now been put into practice. Thus, UWT stands for level measurement at the highest level worldwide. As “The Level Company”, the UWT Group provides level measurement at the highest level, building on three strong pillars: Technology, Performance and Partnership.

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