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## **Optris Enhances CS LT Infrared Pyrometer with IP65 Rating** *Optimized Operation for Rugged Industrial Use*

**Berlin, March 2025** – Optris, the specialist in non-contact infrared temperature measurement, has upgraded its proven CS LT infrared pyrometer with an IP65 protection rating. This enhancement significantly increases the device's resilience in challenging industrial environments and underscores Optris' ongoing commitment to high-quality and durable temperature sensing solutions.

The new IP65 rating ensures complete protection against dust ingress and resistance to low-pressure water jets from any direction. As a result, the CS LT can now be deployed in applications exposed to dust, moisture, or regular cleaning cycles—without compromising on performance. This makes it especially suitable for use in environments such as food processing, packaging, metal handling, and general manufacturing.

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## **The CS LT features make it ideal for OEM use**

Compact and robust, the CS LT is ideal for OEM integration and confined installation spaces. It offers a wide temperature measurement range from -50 °C to 1030 °C and an optical resolution of 15:1. These specifications enable accurate measurements from a distance while keeping the sensor body safe from heat exposure. The sensor's small spot size allows for precise targeting, which is essential for quality control in automated systems. Designed to withstand thermal shocks, the CS LT remains reliable even when ambient temperatures change rapidly. This feature makes it a preferred choice over other low-cost pyrometers that may struggle with fluctuating process conditions.

## **Multiple outputs enable high flexibility for system integration**

The CS LT also supports a wide range of outputs, including analog voltage, thermocouple type K, a digital alarm output, and digital input—offering full flexibility for system integrators.

With this upgrade, the CS LT continues to be a trusted solution for non-contact temperature monitoring in industrial automation. The addition of the IP65 rating ensures even greater reliability, enabling long-term operation with minimal maintenance.

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## **About Optris GmbH & Co. KG**

Optris GmbH & Co. KG was founded in 2003 and has established itself as one of the leading manufacturers of non-contact temperature measurement devices. Its product portfolio consists of both wearable and stationary infrared thermometers and online infrared cameras for thermographic real-time analyses. Optris develops and produces in Germany to ensure the highest standard in quality as a key component of its company policy.

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