



Digital Interfaces for Efficient Process Automation

Optris Expands Infrared Temperature Measurement Devices with Network-Enabled Protocols

Berlin, March 2025 – Optris, the specialist in non-contact temperature measurement, is introducing new digital interfaces for process automation. The latest pyrometer models from the **CT**, **CTlaser**, **CTratio**, and **CSvision series**, as well as the **Ethernet-based Xi series infrared cameras (ETH)**, are now equipped with modern network protocols, enabling even more seamless integration into industrial automation systems.

With the new digital interfaces, Optris supports common industrial protocols such as **Profinet**, **EtherNet/IP**, **Ethernet TCP/IP**, and **Modbus TCP**. This ensures reliable real-time transmission of temperature measurements, enhancing control and monitoring of manufacturing processes.

Press contact: Lorenz-Oliver Riegel | Mail: pr@optris.de

Optris GmbH & Co. KG | Ferdinand-Buisson-Str. 14 | 13127 Berlin | www.optris.com

Robust Networking for Demanding Environments

The new Industrial Ethernet interface modules, like all previous interfaces, are seamlessly integrated into the CT electronics. Installation is simple via a 4-pin D-coded socket with IP67 protection and standardized industrial network cables.

For CSvision and Ethernet-based **Xi Series (ETH)**, the new interfaces are provided as separate interface boxes. A wide range of cable lengths allows for perfect adaptation to different installation conditions. All components are designed to meet IP67 standards, ensuring optimal protection for industrial use in demanding production environments.

For quick and hassle-free commissioning, Optris provides pre-configured EDS and GSD files. These enable easy device implementation into existing control systems and significantly reduce integration effort. Additionally, the digital interfaces are certified to ensure seamless compatibility with common industrial standards.



Optimized Processes Through Smart Temperature Monitoring

Thanks to enhanced network connectivity, Optris' infrared temperature measurement devices can now be integrated even more precisely and flexibly into industrial processes. This enables improved process control, reduces downtime, and increases production efficiency. With these innovations, Optris once again sets new standards in non-contact temperature measurement and reinforces its commitment to innovative solutions in industrial process monitoring.

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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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