

Compact IR cameras with industrial accessories

Optris Compact Line with water cooled housing, air purge unit and shutter

The infrared cameras from the Optris Compact Line, the Xi 80 and Xi 400, have been supplemented with new industrial accessories for use in rough conditions. The system has a modular design and as a result, the water cooled housing, the air purge unit and the shutter can be used both individually and combined.

Shutter mechanism protects the high-quality IR camera optics

This stainless-steel shutter is generally used to protect the optics from contamination and foreign objects. This is particularly important when the infrared camera measures upwards and the measurement objects are above it, such as in the glass industry. With a response time of just 100 ms, the IR camera is optimally protected from falling broken glass. Furthermore, the shutter can be used in intermittent processes so that the optics are exposed to environmental conditions only during the measurement process.

Temperature measurement in rough conditions

A stainless-steel, water-cooled housing and an air purge collar made of anodized aluminum are available so that the compact infrared camera can be used in rough conditions in the industry. Cooling allows for use in hot environments up to 250°C. The air purge unit protects against air particles and prevents condensation on the optics. It can be screwed on in 4 positions, allowing the air flow to be customized for the application. Integrated into the air purge unit is a silicone window that can be replaced without complex assembly steps if it suffers mechanical damage.

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About Optris GmbH

Optris GmbH 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.

Images

(www.optris.global/press-pictures)

optris-logo.jpg

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optris-compact-line-all-accessories.jpg

Caption: IR camera with all accessory parts mounted

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optris-compact-line-shutter.jpg

Caption: Shutter for compact IR cameras

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optris-compact-line-water-cooled-housing-air-purge.jpg

Caption: Air purge unit for compact IR cameras

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