PRESS RELEASE

Type of product: **Camera for measuring body and skin temperature**
Product name: **CA 1900**
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New health system for measuring body temperature

Chauvin Arnoux is launching its new CA 1900 thermal camera for detecting any abnormal fever instantaneously

*In the context of an epidemic or simply to anticipate any health risk, it is increasingly recommended to test body temperature with a thermal camera. With the CA 1900 no-contact camera, **Chauvin Arnoux is providing a simple, quick and practical response for detecting whether your staff and visitors have an abnormally high temperature quickly and easily.***

@Chauvin Arnoux CA 1900

Why measure body temperature with a camera rather than a thermometer?

A thermal camera is a simple, effective instrument for quickly identifying anyone suffering from a fever. In the context of a wider set of precautionary measures, each employer can organize temperature testing of the people who enter their sites. With the new CA 1900 thermal camera for measuring human body or skin temperature launched by Chauvin Arnoux, it is particularly easy to set up an operation **to detect any people with an abnormally high temperature.**

Just like an infrared thermometer, the thermal camera offers remote, no-contact measurement of a living thing's surface temperature. Both capture the infrared radiation emitted by an individual (invisible to the naked eye). The difference is that the no-contact thermometer will indicate the temperature of a specific point, whereas the camera can **measure the temperature of an area. In addition, with the thermometer, a person's temperature has to be measured at a distance of 5 to 20 cm, whereas you can measure from a distance of up to 1.5 metres** with an infrared camera for testing body temperature. **This is reassuring for operators** who may have to temperature-test tens of people a day

Why use thermography to detect a fever?

Because fever is an important sign of infection. Any abnormal increase in body temperature (often defined as above 38 °C) may represent a risk for that person or others. Thermography is considered a simple, **practical method for scanning both individuals and groups.** The temperature is measured at the inner corner of the eye (more accurate) or on the forehead (more practical) and an alarm is triggered if it exceeds either a temperature threshold set by the operator, or the average of the temperatures measured on the 6 previous healthy people tested. In this way, you can quickly and reliably detect anybody with a high body temperature so that you can then separate them for more in-depth testing.

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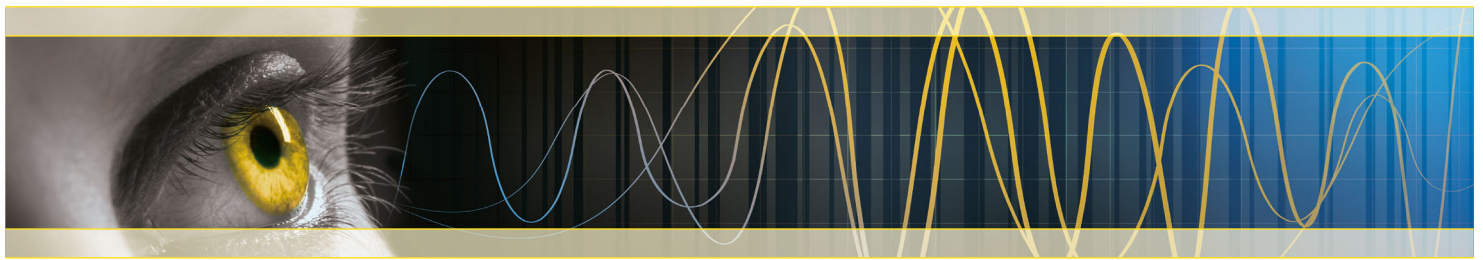
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What are the advantages and functions offered by the CA 1900 thermal camera?

Instant temperature testing

Because you need to ensure that the flow of people remains smooth when they enter a production site, office building, public building, airport, railway station or shopping mall, temperature testing has to be very quick. The CA 1900 thermal camera performs the **measurement in less than one second and instantaneously displays the temperature value.** Capable of testing temperature between +30 °C and +45 °C, this infrared camera guarantees measurements with an accuracy of ± 0.5 °C. A particularly effective tool for detecting whether someone has a fever or not.

A reassuring health screening system

Without contact and complying with the recommended distance of **1.5 metres between the operator and the person tested**, this health screening system is reassuring ? It measures and displays each person's temperature in real time on the screen without anybody taking any risks.

Depending on the requirements, the operator can adjust the value of the temperature measured to compensate the difference between the body and skin temperatures. The temperature of the skin is not the same as the temperature normally measured orally, anally or in the ear. The average normal body temperature is between 37 °C and 37.5 °C, whereas the skin temperature is lower, between 30 and 36 °C for a 15 cm2 area. This difference therefore needs to be offset to obtain a more accurate "median" value.

To **notify the operator of any abnormally high temperature**, the CA 1900 infrared camera offers **2 warning alarms, one audible and the other visual.** The person tested is thus identified immediately. This alarm also helps to keep the person doing the measuring safe.

Quick setup in any environment

The **tripod insert supplied as standard under the CA 1900 thermal camera for body temperature measurement means it can be set up very quickly in any environment**. You then have a stabler, fixed solution which you can nevertheless move around to suit your testing requirements.

Thanks to its exceptional battery life, the CA 1900 thermographic infrared camera can **operate continuously for up to 9 hours**. Particularly useful for detecting high skin temperatures and providing quick preliminary fever testing for thousands of people.

A few technical specifications

- Detector: 160 x 120 UFPA microbolometer, 8 ~14 μm
- NETD: 60 mK @ 30 °C (0.06 °C @ 30 °C)
- Measurement fluctuation : < 0.02 °C (in adaptive alarm)
- Measurement fluctuation: < 0.02 °C (adaptive alarm)
- Accuracy: ± 0,5 °C
- Temperature range: +30 °C to +45 °C
- 2 alarm modes:
    o Adaptive alarm based on a temperature difference in relation to the average of the temperatures measured (up to 6 people)
    o Alarm on overshoot of a temperature threshold set by the operator
- Measurement tools: 1 manual cursor + 1 cursor for automatic hot spot detection + Isotherm
- Data storage: on removable 2 GB micro-SD card (approximately 4,000 images) with possibility of extension up to 32 GB
- Weight / dimensions: 700 g with rechargeable batteries/ H225xW125xL83 mm

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