

testo FeverDetection with the thermal imagers testo 885 / testo 890

How can you identify persons at risk from fever?



testo FeverDetection

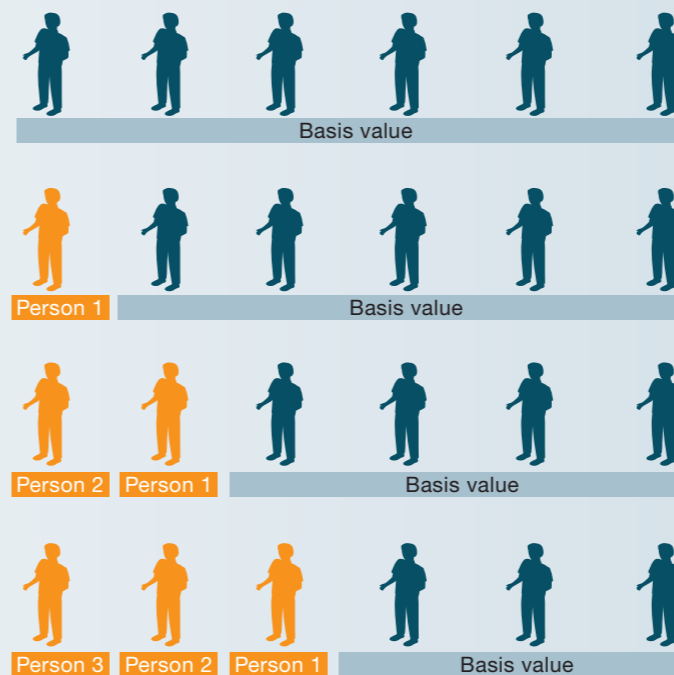
With the **testo FeverDetection** assistant, the thermal imagers testo 885/testo 890 are perfect for identifying potentially ill persons.

Why fever detection with thermography?

An important indicator for an infection is increased body temperature generally known as fever. Thermography is the ideal method for examining not just individuals, but also large flows of people for increased temperature. The testo FeverDetection function can identify the relative body temperature of persons, or more accurately the temperature difference between “healthy” people (with a normal

body temperature) and “potentially ill” people (with increased body temperature). The temperature is measured on the face, and an alarm is triggered if it exceeds a certain limit value. This allows persons with increased body temperature to be identified quickly and reliably, and to be isolated for more exact medical examination.

Operating principle



Continuous calculation

The thermal imagers testo 885 and testo 890 have a function for the continuous calculation of the mean temperature of the tested persons:

1 Setting of the basic value in the menu

The set starting value corresponds to the expected mean human body temperature.

2 Setting of tolerance

For example +1 or +2 °C.

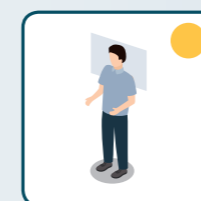
3 Automatic calculation of the threshold value

The sum of the basis value and the tolerance value is the fever value (= threshold value at which a person is considered to be at risk from fever).

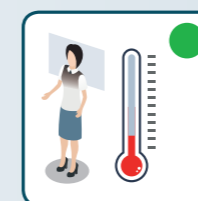
4 Storage of measurement values

The temperature values of tested persons are continuously stored in the imager in order to update the threshold value.

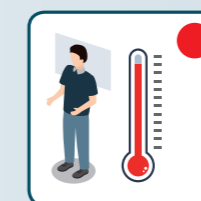
Secure identification and alarm



Yellow
Person identified.



Green
The person is not at risk from fever.



Red
The person is at risk from fever.

Visual alarm

Temperatures above the threshold value are displayed in red.

Acoustic alarm

“Beep” until the face is no longer in the display.

Image saving function

Using the “Save” button, real images and infrared images can be stored.

Other functions of the thermal imagers testo 885 and testo 890



Acoustic alarm
at individually defined temperature threshold values.



HDMI output
for direct connection between imager and monitor.



Measurement of the ambient temperature
using the stored IR image.