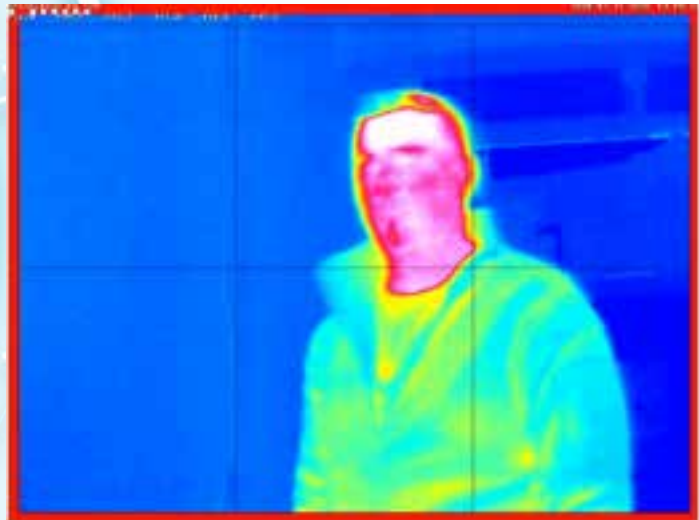




Temperature control at turnstiles with Prometheus

**Our contribution
to fighting Corona**



Automatic recognition of thermal anomaly
with Prometheus as access control

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Temperature control at turnstiles with Prometheus

Optimized selection of persons with increased temperature indoors and outdoors

We have modified our solution originating from process control for the detection of temperature anomalies due to the current demands, and we customized them to detect anomalies of temperatures on skin surfaces of people at entrances, gates, turnstiles or accesses.

Automatic surface controls in regard to thermal anomalies, considering the environmental temperature.

The TecTradeSolution method recognizes anomalies of the skin surface – especially outdoors or at people coming from the outside – independently from temperature, wind or any other influence. Therefore, selection of conspicuous persons with increased temperature of the skin surface is already possible at companies' gates, while leaving a train or airplane – even before these persons have contact with further people. The human temperature of the skin surface is defined at 'pleasant environmental temperatures'. At low temperatures, wind or other environmental influence, they will vary strongly and steadily.



Since 2016 our process controls run at the outside of chemical plants and recognize thermal anomalies very reliably at reactor surfaces, independently from other environmental conditions.

They are evaluated and, thus, enable the save condition of these plants at any time.

For measuring the temperature of human skin surface, the company TecTradeSolution GmbH works with comparable parameters.

Automatic measuring

It should be the target of the system to only have the lowest possible influence on daily procedures and flow of people. A professional thermal camera provides the basic data for this purpose, which are then evaluated by an intelligent control.

The interaction of camera and control enables to provide this.

The standalone solution is preconfigured so that the camera - if there is any movement into its direction - transfers temperature information to the control. After a short training time, they will be evaluated by using additional environmental parameters. If the deviation of the measured value to the reference value is too big, an alarm will automatically be started.



Surveillance on monitors
is not necessary, but optionally possible.

Temperature control Prometheus

Our solutions:

1. Prometheus standalone solution automatically recognizes temperature of the skin surface anomalies of single persons or persons in groups.

- Thermal camera with environmental temperature probe

- Prometheus control, control-box made of stainless steel

- Alarm options: optically, acoustically,

as well as acoustically via camera,

- Signal output 24V DC 5A

- Signal lights: yellow, green, red

- Signal input: camera or 24V DC

e.g. for using an external PIR/radar/lock signal

- Configurable standard alarm value

- Foot (aluminum)

- Place to use: indoors and outdoors, 0 - 55°C

- Power supply: 230V AC

Recommended retail price: € 11,975 plus VAT.



2. Prometheus modular: like Prometheus standalone solution,

but thermal camera and control

(Prometheus control box plastics)

separately, without foot

Recommended retail price: € 9,975 plus VAT.

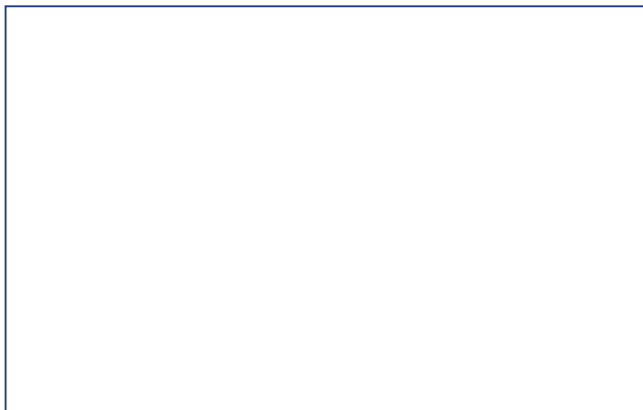


All systems are parameterizable and can optimally be adjusted to the applicable circumstances.

For this purpose, the integral measuring range can be adjusted besides alarm deviation and measurement spread.

Subject to errors and technical changes.

Überreicht durch:



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