CORONASENSE
High-performance contactless temperature sensor

Analyze > Alert > Act
Integrated health security solution
Designed and manufactured in Switzerland
DETECTS in less than 1 second
ALERTS instantly

Ensure safety for your business, customers, visitors and employees by early detection of elevated human temperature caused by viral (Covid-19, influenza, etc.) or bacterial (meningitis, food poisoning, etc.) infections. About 95% of severe cases of COVID-19 have had abnormal body temperature as a symptom.

The instrument scans the forehead temperature and environmental data such as CO2 levels and delivers an instant diagnosis to the user and the health officer in charge.

Runs in any environment:
Stand (battery-powered)
Wall-mount

Available alarms:
Email, SMS, Calls, HTTP, analog output, digital output, daily/weekly/monthly report.

Time for detection
< 0.8 sec

Accuracy
0.1 °C (medical precision)

Networking
Ethernet, Wi-Fi, 4G

Size
198 x 98 x 93 mm

Weight
430 gr (without stand)
User-friendly: temperature is tracked across locations in a single easy-to-use interface.

99.5% accuracy

The instruments use advanced statistics and machine learning to establish accurate results. The thermal camera’s sensor is tested for an accuracy of 0.1° C and is certified to comply with the ASTM medical standard section 5.4 (E1965-98/2009).

Integrated

Integrate your access system with RFID / NFC cards or badges for personalized temperature monitoring. Integrate the measurements into your own database and schedule immediate alerts and daily reports.

Expandable

Set custom rules and connect new sources of data such as CO2 level, fine particulate matter detectors or external meteorological events. Connect with email, SMS, phone and push notifications services as well as digital physical outputs.

Privacy-concerned

Personal data are kept in a closed loop within your establishment and are strictly complying with the highest data privacy guidelines.
ABOUT US

Developed and manufactured since 2020 in Martigny, Switzerland by a multidisciplinary team of EPFL / HES engineers and experts in medical technology. Methods and algorithms were published in a peer reviewed journal: Shajkofci et al., « Correction of human forehead temperature variations measured by non-contact infrared thermometers », IEEE Sensors Journal, 2021, DOI 10.1109/JSEN.2021.3058958

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