GRUPPO PEDERCINI

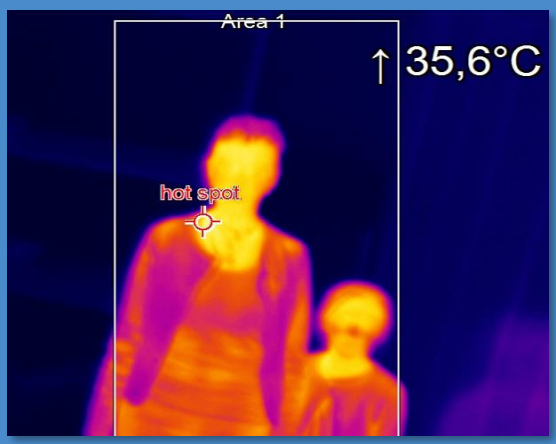
HEALTHCARE DIVISION

TGBD1

MANUAL SYSTEM

FOR BODY TEMPERATURE

CONTROL & SANITIZING GEL DISPENSER



VERSION:

INDOOR SOLUTION

TGBD1x – AISI 420

WITH THERMAL CAMERA

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BODY TEMPERATURE CONTROL

BASIC CONCEPTS:
There are 2 possibilities of using the thermal imaging camera: qualitative screening of several people and individual measurement. In screening multiple people. The thermal imager continuously scans people passing by (in the same environmental conditions). The operator checks whether an individual has a temperature above mass. It is clear that the accuracy in this case does not matter, however a standard resolution of 382 x 288 pixels and a good NETD are needed to ensure that the individual at the bottom left of the screen is measured with the same thermal resolution as the one at the top to the right The individual measurement is the one generally performed and requires more precautions:
The accuracy of the thermal imaging cameras is +/- 0.3 ° C but it is important that the thermal imaging camera is radiometric and the pixels are related to each other at 40 mK or 75 mK In the measurement application, our guidelines are as follows:

- Measurement with standard optics focusing at a distance from 1 m to 2 m
- The measurement must take place indoors or there must be no sudden changes in the ambient temperature (wind blows, water, etc.)
- The measurement must be made on the tear duct (preferable) as below (removing eyeglasses / sunglasses) or on the ear canal creating an area that calculates the maximum value and / or the creation of a 3x3 pixel hot spot.

Temperature range from 20 to +100°C [-4 to 212°F]

Easy to Install

Interface with Badge system

Reporting of Feverish status

Calibration certificate with reference temperatures at 35°C [95°F]

Possibility to remote the alarm signal

Analysis Software included

Fixing bars

MODEL	TGBD1S	TGBD1H
TYPE	MOBILE	
TYPE OF READ	THEMO IMAGING	
DIMENSIONAL	W 235/0.77 H 1100/3,6 D 570 / 1,87	
UTILIZE	INDOOR	
RESOLUTION	STANDARD	HIGH
PIXEL	380x288	
THERMIC SENSIBILITY**	75 mK	40 mK
CONTROL INPUT	NO	
CONTROL OUTPUT	NO	
LIGHT	NO	
RANGE OF TEMP.	-20...50°C / - 4...122°F	
SYSTEM CONTROL	PC	
N° OF MONITOR	1	
DIMENS. MONITOR	7"	
VOLTAGE	110 – 240 VAC 50-60Hz	
UPS 10'	OPTIONAL	
WEB ASSISTANCE	OPTIONAL	
PHOTO*	YES	
RECORD*	YES	
CE	YES	
MANUAL	YES	
*TO BE ATTENTION AT PRIVACY		
** LOWER IS, HIGHER IN THE SENSIBILITY		

Like other infectious diseases, Coronavirus is extremely dangerous and spreads rapidly through sick people or contaminated objects. Among the causes of the rapid spread of these new diseases, the development of air links in recent years is certainly one of the main ones.

Measuring body temperature is the easiest way to determine if a person has a virus. But how is it possible to quickly

analyze the temperature of the many individuals who access buildings, airports, and public places every day?

Viral epidemics, such as the swine flu that occurred in 2009/2010 and the Ebola virus in 2014, have led to the

study of new screening technologies, which allow to quickly identify travellers with an abnormal body temperature.

The Gruppo Pedercini has developed a thermal scanner, also known as a thermal scanner, based on infrared

cameras. System installation, which includes radiometric thermal imaging camera and software package, is very simple and quick.