DySafe BTC POWER

Advanced solutions for body temperature control

The body temperature scanner BTC POWER is the modular solution for access control among the Dysafe BTC family.

The stainless steel manufactured pillar can host up to 3 sensors to reach the highest precision without any compromise.
This highly engineered product in the standard configuration measures the forehead temperature by two sensors.

The second sensor is studied for an accurate measurement of the environment temperature in order to give a core data to the algorithms and calibrate all the detected values with the highest precision. This process allows to adjust the body temperature according to the environment temperature variation.
A third sensor is optional to come to the needs of kids and handicapped people.

The core system is a matrix of hundreds of infrared pixels that, thanks to a pre and post processing software, are elaborated in order to get an extraordinary measurement precision (0,01°C acc, 0,01° C res) that would never be obtained using standard low number pixels sensors.

The design gives the possibility to integrate the pillar with various types of accessories as well as being positioned in limited spaces. It can be also linked to the customer's corporate network.

The device can be furthermore equipped with:
- Passage and direction control sensors
- Badge reader for access control
- TCP/IP protocol
- Automatic gel dispenser kit with specific sensor

DySafe BTC (Body temperature Control) is our new family of automatic body temperature scanners.
As fully automatic devices, they do not require the presence of an operator: when an above-normal temperature is measured, it is visualized on the screen, a buzzer is activated and a gate/automatic door/turnstile may be enabled (option).
DySafe BTC series are modular and may be integrated with several optional devices, being able to be connected to any IT network.
DYSafe BTC products are the best solution to get compliant with the guidelines of the shared Regulatory Protocol regarding the prevention from virus infection in work environments.
The body temperature check is compliant with the current UE/2016/679 (GDPR) privacy regulatory.

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Company with management system certified
UNI EN ISO 9001:2015

Technical specs

Sensor type	Infra-red
Body temperature range	35°C – 42°C
Material	Stainless steel AISI 304 – Scotch brite
Dimension	185mm x 200mm x 1350mm (h)
Weight	15 kg
Power consumption	230 V AC – 50/60Hz
Measuring distance	User settable between 5 and 12 cm in step 1 cm
Power supply	220 VAC - (re-chargeable battery, optional)
Measurement time	0.5 s
Accuracy	± 0.2°C
Resolution	0.1°C
Software	Algorithms are developed by Dylog Hitech
Gates	USB 2.0 Ethernet 10/100 T Base RS 485
Monitor	4,5"Display TFT LCD Touch screen • 262.000 colours • Resolution: 480*272 • Brightness: 400cd/m2 • Backlight LED
Room temperature measurement	Dedicated sensor
Alarm	Visual / acoustic in case of out of range temperature

Optional parts

Data Output Software and data sharing via RS485 protocol. TCP/IP protocol
Second sensor Positioned 110 mm from the ground it measures temperature on kids and people with handicap
Passage sensor kit It checks any gate passage and the direction
Badge reader for access control It uses the Cronos technology and protocol. It's possible to use different protocols on demand
Stainless steel turnstile (mod. TRILANE TL1) made of stainless steel and painted in mat black.
Dispenser Gel kit Dispenser gel kit including specific sensor

Working principles

Out of temperature range	Alarm: red light
Proper temperature range	Green light
Failed temperature control	Warning message on monitor

In case the temperature is out range the person is advised to standby and meanwhile an alert is sent to the surveillance operator.
If the device is equipped with the passage sensor kit option the procedure is the following.

Gate passage in case of out of range temperature	Visible and audible alarm
Gate passage in case of proper range temperature	No alarm
Gate passage in case of failed temperature control	Visible and audible alarm

Additional features

- Entrances counter feature using passage sensors kit.
- By this feature it's possible:
- Counting the people flow (in and out)
- Entrances statistics

Data communication
- Interface with company access control software
- Temperature data transfer
- Statistics and data on demand transfer

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