

MITO-03

Add on thermal camera
for **body temperature measurement**



MITO-03 is an add on thermal camera designed to work with Axess TMC terminals. Allows body temperature control together with identification. It does not perform facial recognition nor it checks the wearing of an antivirus face mask. It contributes to the implementation of the security measures of the anti-contagion security protocols.

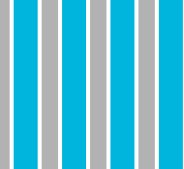
DETECTION OF BODY TEMPERATURE

MITO-03 is a thermal camera that can be installed on Axess TMC terminals to add body temperature measurement capability. The temperature is measured at a distance of 0.5 meters with a maximum error of ± 0.2 °C. Adhesive signs for the correct positioning of the user in front of the terminal are included. A terminal equipped with MITO-03, can combine personal identification with body temperature check.

OPERATING MODES WITH USER IDENTIFICATION

After successful identification, the body temperature of the user is measured. If the temperature is within the acceptable range the transaction is completed and transit through the gate (if present) is allowed. If the temperature is too high the terminal signals the anomaly clearly on the display accompanied with acoustic signals. Different behaviour can be configured:

- The gate remains locked and transaction is rejected.
- Passage is allowed and transaction accepted but recorded with a special reason code
- A Temperature-too-high flag is sent in real time to a server (https connection) that decides the behaviour and what to show on the display (online mode)



OPERATING MODES WITHOUT USER IDENTIFICATION

Terminal only checks the temperature (no identification requested: card, fingerprint...).

Also in this case different behavior can be configured:

- Relay is activated only if temperature is within the range (ie the door is opened)
- Relay is activated only if the temperature is out of the allowed range (ie an alarm is activated)

MITO-03 can be easily installed on any of the compatible terminals of Axess TMC range and is connected with just 1 cable to the reader connector of the terminal (for both data and power supply).

Suitable for indoor installations

TECHNICAL SPECIFICATIONS

COMPATIBILITY	MITO-03 can be installed on X3, X3BIO, X4, X7, SuperTRAX Light, SuperGLASS 7 Light Connection to the terminal: Serial TTL (reader connection for data and power supply)
TEMPERATURE	<ul style="list-style-type: none"> • MEMS thermal sensor. The sensors are individually calibrated by our laboratories • Temperature sensing distance: 0.5 m (Adhesive signs for the correct positioning of the user in front of the terminal are included) • Temperature detection error: +/- 0.2 ° C • Temperature resolution: 0.1 ° C • Sensor working area: horizontal opening: 5° - vertical opening: 55°
POWER SUPPLY	• (4,5 - 5,5) V - 5 mA - MITO-03 is powered through the reader connector. No dedicated power sources needed.
PHYSICAL CHARACTERISTICS	<ul style="list-style-type: none"> • Material: plastic box. • Designed for indoor installation only • Operating temperature: from 18° up to 28° C
ADHESIVE SIGN	• Adhesive sign for correct positioning of the user included (ø 32cm)



Example of MITO-03 installed on X3 terminal



Example of MITO-03 installed on X7 GLASS terminal



Example of MITO-03 installed on X3 BIO terminal