

EFESTO **TERMOSCANNER**



Overview

Addresses growing demands seen across numerous applications for thermal analysis. This infrared (IR) sensor offers a cost-effective alternative to more expensive high-end thermal cameras. This 32x24 pixel device is suited to **safety and convenience applications** that include temperature measurement in transportation and residential environment. It has a -40°C to 85°C operational temperature range and can measure object temperatures between -40°C and 300°C. Maintaining **high levels of precision** across its full measurement scale. It also exhibits **superior noise performance**. Unlike microbolometer alternatives, the sensor does not need frequent recalibration, thus ensuring continuous monitoring and lowering system cost.

The behaviour of the Efesto stand alone is the following: The person enter in a gate or in front, it measures the temperature in real time, if temperature is higher than 37.5° there is blinking LED Red and the buzzer tone for 5 seconds.

General Features

- > Far infrared thermal sensor array (32x24 RES)
- > -25 to 70°C operational temperature range, allows deployment in difficult transportation environments
- > Can measure object temperature between -40 to 300°C
- > Buzzer for automatic alarm when temperature more than 37.5°
- > 2 LED in the front : Green and RED for alarm or normal operation
- > RS485 to transmit temperature matrix
- > 2 LED , buzzer and digital input signal on a external connector
- > TTL serial port for connecting external display to visualize the temperature and thermal map
- > Power 9-36 VDC



Technical specification

- > 1 RS485 serial port
- > 1 LED Red
- > 1 LED Green
- > 1 Buzzer
- > 1 Digital input contact to disable or enable measurement
- > Automatic software to gives an alarm: Red led blinking and Buzzer tone when the temperature is more than 37.5°

Power supply

- > 24 VDC nominal
- > Consumption: 2W max

Physical characteristics

- > Overall dimensions: 200 x 40 x 34 mm (W x L x H)
- > Weight: < 1 kg

Environmental characteristics

- > Operating temperature range: -25 to +70°C

Mechanical dimensions

