

# THERMOMETER

PCE-TC 28



- » **Built-in digital camera**
- » **Adjustable emissivity**
- » **Fast sampling time**
- » **MIN/MAX indication**
- » **Exchangeable Li-ion battery**
- » **Auto power-off function**
- » **TFT display with backlight**
- » **Protective cap for the lens**

The infrared camera was designed for taking non-contact temperature measurements. To get accurate readings, the emissivity of the infrared camera can be adjusted, depending on the operation purpose. Besides taking infrared images, the infrared camera can also take normal pictures, as well as a mixture of both, due to the built-in digital camera. This makes it easier for the operator to aim at the target and to recognize and locate hotspots.

The infrared camera is well-suited for a large variety of applications. This includes monitoring of machinery, building inspection or different applications in the hobby and leisure domain, for example. The infrared camera comes with a built-in SD card slot for Micro SD cards. The device supports different memory card capacities. It is possible to store up to 6000 images per gigabyte on the SD card of the infrared camera.

## Specification

### Temperature

Measurement range up to -20 ... +600 °C

Accuracy  $\pm 2\%$  /  $\pm 2\text{ °C}$

### General technical data

Display type LCD

Display size 2,2 Inch

Display resolution 320 x 240 pixels

Storage medium Micro SD card

Storage capacity 8 GB

Memory capacity (additional information) can save 6000 images per GB

Interface Mini-USB, Micro SD card

Camera resolution 32 x 31 pixels

Emissivity from/to 0.7 ... 1

Wavelength range 8 ... 14  $\mu\text{m}$

Field of vision (FOV) 33 x 33 °

Colour palette Iron, Rainbow, white-black (+inverted), Hot metal

Menu language English, Italian, Spanish, German, French

Connector type Device-europlug

Operating conditions 0 ... 50 °C , 10 ... 90 % RH

Storage conditions -20 ... 60 °C , 10 ... 90 % RH

Dimensions ( ) mm