

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

Infrared temperature	
Measuring range	-20 ... +600 °C
Resolution	0,1 °C
Accuracy	±2 % / ±2 °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 µm
Field of vision (FOV)	33 x 33 °
Colour palette	Iron, Rainbow, white-black (+inverted), Hot metal
Menu language	English, Italian, Spanish, German, French
Protection class (device)	IP20
Power supply	100 ... 240V AC 50/60 Hz, 0.25 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	1400 mAh
Performance	5,18 Wh
Operating conditions	0 ... 50 °C , 10 ... 90 % RH
Storage conditions	-20 ... 60 °C , 10 ... 90 % RH
Dimensions (L x W x H)	230 x 132 x 65 mm
Weight	360 g