

# INFRARED THERMOMETER

PCE-TC 30N



- » **IR resolution: 160 x 120 pixels**
- » **Measuring range: -20 ... 450°C / -4 ... 842°F**
- » **Thermal sensitivity: 70 mK**
- » **Memory: 3 GB memory for more than 20,000 pictures**
- » **5 different color palettes**
- » **Hot and cold spot location**
- » **Picture in Picture function**

Maintenance tool - Infrared thermometer for maintenance with a measuring range up to 450°C (842/ 160 x 120 pixels / Image memory for more than 20000 images / Thermal sensitivity ≤ 0.1°C (0.)

The PCE-TC 30N thermal imaging camera for preventive maintenance is the ideal tool for preventative maintenance. This thermal imaging camera is a must-have for electricians, fitters, or general maintenance personnel for trouble shooting and fault prevention on electrical equipment, electromechanical equipment, production process machinery, heating, ventilation, and air conditioning systems, especially when working in harsh environments. The operator can use the PCE-TC 30N high-resolution thermal imaging camera for preventive maintenance, to detect evolving faults on machinery and equipment. The preventive maintenance and service is thus made easy.

The thermal imaging camera PCE-TC 30N was designed in ergonomic design for one-hand operation. Due to the very low weight of 389 g, it is ideal for analyzing machines and systems. In operational maintenance and servicing, this thermal imaging camera is used, for example, for the optical monitoring of bearings and bearing housings, heat exchangers, steam separators, ... or for checking electrical installations. The PCE-TC 30N Thermal Imager, with a sensitivity of less than 0.1°C / 0.18°F, offers a maximum accuracy of ± 2°C / 3.6°F or ± 2% in a temperature range of -20 ... 300°C / -4 ... 572°F.

## Specification

### Temperature

Measurement range up to -20 ... +450 °C

Accuracy  $\pm 2$  °C /  $\pm 2$  %, from 300 °C  $\pm 5$  %

### General technical data

Display type TFT colour display

Display size 2,8 Inch

Display resolution 320 x 240 pixels

Storage medium SD card

Storage capacity 3 GB

Memory capacity (additional information) built-in SD card with 3 GB for more than 20000 images

Interface Micro-USB

Camera resolution 300000 pixels

Operating time 3 h

Automatic power-off from...to 5 ... 20 min.

Automatic power-off can be deactivated Yes

Emissivity from/to 0.01 ... 1

Wavelength range 8 ... 14  $\mu$ m

Field of vision (FOV) 35 ° x 26 °

Colour palette Rainbow, Cold colours, white-black (+inverted), Iron

Menu language English, Chinese, Italian, German

Power supply Mains adaptor: primary: 100 ... 240 VAC 50/60 Hz, secondary: 5 V / 2 ADC

Connector type Device-europlug

(Rechargeable) battery 1 x 3,7 V internal , Lithium-ion battery

Capacity 2000 mAh

Operating conditions 0 ... 45 °C , 0 ... 85 % RH

Storage conditions -20 ... 60 °C , 0 ... 85 % RH

Dimensions ( L x W x H ) 96 x 72 x 226 mm

Weight 389 g