

THERMAL IMAGER

PCE-TC 26



- » **adjustable emissivity**
- » **8 different colour palettes**
- » **units: °C, K, °F**
- » **thermal sensitivity: 0.06 °C**
- » **automatic power-off**
- » **memory: 8 GB for >10000 images**
- » **image format: jpg**
- » **video format: mp4**
- » **2.8-inch TFT colour display**

The Thermal Imager offers a temperature measurement range from -10 °C to +400 °C and enables precise detection of temperature changes from 0.05 °C with an accuracy of $\pm 2\%$. Eight customisable colour palettes enable flexible visualisation that can be adapted to different environmental requirements. An integrated laser pointer makes it easier to precisely locate the measurement object, especially in dark or difficult-to-access areas. An alarm when defined temperature limits are exceeded helps to efficiently identify abnormal points.

The 2.8-inch screen with a resolution of 120 × 90 pixels and a refresh rate of 25 Hz offers a smooth and detailed real-time display. Supported functions include centre point temperature measurement, tracking of maximum and minimum temperatures and temperature measurement in defined areas. The Thermal Imager also has a practical screen alarm function. An integrated 8 GB memory card and a USB-C port enable easy data transfer to a computer. The powerful 2600 mAh battery ensures an operating time of up to 4 hours.

Thanks to these versatile features, the Thermal Imager is an indispensable tool for industrial maintenance, building inspection and fault diagnosis in electrical systems. It is ideal for checking underfloor heating pipes in order to quickly localise faults. Our Thermal Imager is also used for monitoring machines and systems, quality assurance in production and checking solar systems and electrical installations.

Specification

Temperature	
Measuring range up to	-10 ... +160 °C
Resolution	0,1 °C
Accuracy	±2 °C
Temperature	
Measuring range up to	160 ... 400 °C
Resolution	0,1 °C
Accuracy	±2 °C
Temperature	
Measuring range up to	263,15 ... 673,15 K
Resolution	0,1 K
Accuracy	±2 K
Temperature	
Measuring range up to	14 ... 752 °F
Resolution	0,18 °F
Accuracy	±3.6 °F

General technical data	
Units	°C, °F, K
Display Typ	TFT-Color Display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	8 GB
Memory capacity Additional information	more than 10000 pictures
Data interface	USB-C
Camera resolution	120 x 90 pixels
Operating time	4 h
Automatic shutdown adjustable	5 ... 60 min.
Automatic switch-off can be deactivated	Yes
Laser	Class 2 <1mW
Alarm modes	Lower limit, Upper limit
Emissivity Level from/to	0.01 ... 0.99
Wavelength range	8 ... 14 µm
Field of view (FOV)	38° (H) x 50° (V)
Farbpalette	Rainbow, White hot, Black hot, Red hot, High contrast, Green hot, Lava, Iron
Picture / Video format	mp4, JPG
Thermal sensitivity	0,06 °C
Frame rate	25 Hz
Menu language	German, English (US), French, Spanish, Dutch, Russian, Chinese, Japanese, Korean, Arabic
Protection class (device)	IP20
Power supply	5 V DC (USB)
Battery/battery	1 x 3,7 V intern , Lithium-ion battery
Battery capacity	2600 mAh
Operating conditions	-10 ... 50 °C , 90 %RH
Storage conditions	-40 ... 85 °C , 90 %RH
Dimensions (L x W x H)	219 x 72 x 66 mm
Weight	290 g