

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

| General technical data | |
|------------------------------------------|-------------------------------------------------------------------------------------|
| Units | °C, °F, K |
| Display type | TFT colour display |
| Display size | 2,8 Inch |
| Storage medium | Internal memory |
| Storage capacity | 8 GB |
| Memory capacity (additional information) | more than 10000 images |
| Interface | USB-C |
| Camera resolution | 120 x 90 pixels |
| Operating time | 4 h |
| Automatic power-off from...to | 5 ... 60 min. |
| Automatic power-off can be deactivated | Yes |
| Alarm modes | lower limit, upper limit |
| Emissivity from/to | 0.01 ... 0.99 |
| Wavelength range | 8 ... 14 µm |
| Field of vision (FOV) | 38° (H) x 50° (V) |
| Colour palette | Rainbow, White hot, Black hot, Red hot, High contrast, Green hot, Lava, Iron |
| Image / video format | mp4, JPG |
| Thermal sensitivity | 0,06 °C |
| Frame rate | 25 Hz |
| Menu language | German, English, French, Spanish, Dutch, Russian, Chinese, Japanese, Korean, Arabic |
| Protection class (device) | IP20 |
| Power supply | 5 V DC (USB) |
| (Rechargeable) battery | 1 x 3,7 V internal , Lithium-ion 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 |