



PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@pce-instruments.com

www.pce-instruments.com/english
www.pce-instruments.com

Technical HVAC Meter PCE-TC 29

PCE-TC 29 Infrared Imaging Camera

For visual inspection and non-contact infrared (IR) temperature measurement / Integrated color camera offers picture-in-picture overlay of visual and IR image / Adjustable emissivity / Included MicroSD card memory

PCE-TC 29 is an infrared imaging camera used for visual inspection and non-contact IR temperature measurement. Ideal for industrial use in electrical, mechanical, and building installations (such as in the auditing of machines, engines, or heating, ventilation, and air conditioning (HVAC) systems), this affordable infrared imager captures and saves 60 x 60 pixel IR resolution images to the included MicroSD memory card.

Locate hot and cold spots with ease by using the infrared thermal imager's picture-in-picture overlay capability. The imager's built-in color camera captures the real-life visual, while the integrated thermography camera acquires the IR temperature signature. The IR temperature signature is superimposed in increments of 25% over the real-life color camera visual, so both images are viewed simultaneously.

- Integrated color camera offers picture-in-picture overlay of real-life visual and infrared (IR) images
- Different color palettes for viewing IR temperature signatures
- Easy-to-read 2.5" TFT color LCD screen
- Display of min / max measured values
- Adjustable emissivity from 0.1 ... 1.0
- Compact, lightweight design
- User-friendly interface

Technical specifications:

| | |
|---|----------------------------------|
| Display | 2.5" TFT color LCD screen |
| IR resolution | 60 x 60 pixels |
| Color camera resolution | 300,000 pixels |
| FOV | 20 x 20 ° |
| Thermal sensitivity | 0.15 °C |
| Temperature measuring range temperature | -20 ... +300 °C (-4 ... +572 °F) |

| | |
|--|---|
| Temperature measurement accuracy | $\pm 2 \%$ or $\pm 2 \text{ }^\circ\text{C}$ |
| Emissivity | Adjustable from 0.1 ... 1.0 |
| Image acquisition frequency | 6 Hz |
| Infrared spectral band | 8 ... 14 μm |
| Mechanism of focus | Fixed focus |
| Color palettes | Iron, rainbow, rainbow (strong contrast), grey, grey-inverted |
| Picture-in-picture overlay increments | 0 / 25 / 50 / 75 / 100 % |
| File format | .bmp |
| Data storage | MicroSD card memory |
| Power-saving automatic shutdown | Yes, after 12 minutes of inactivity |
| Operating temperature | -50 ... +40 $^\circ\text{C}$ (-58 ... +104 $^\circ\text{F}$) |
| Storage temperature | -20 ... +55 $^\circ\text{C}$ (-4 ... +131 $^\circ\text{F}$) |
| Operating and storage relative humidity (RH) | 10 ... 80 % RH |
| Standard compliance | EN 61326-1: 2006 |
| Overflow indication | High |
| Power supply | 4 x AA batteries |
| Battery life | Approximately 6 hours of continuous use at full charge |
| Dimensions | 223 x 88 x 65 mm (8.78 x 3.47 x 2.56") |
| Weight | 310 g (0.69 lb) |

Delivery contents:

- 1 x PCE-TC 29 infrared imaging camera
- 1 x MicroSD card
- 4 x AA batteries
- 1 x user manual
- 1 x soft carrying case

