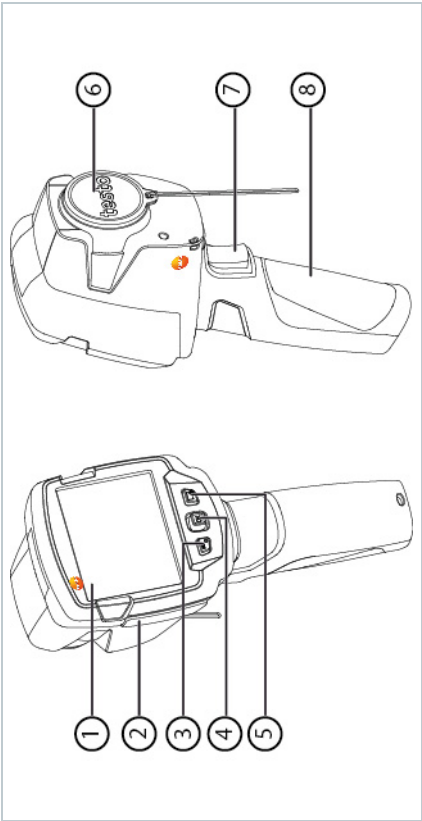




Element	Function
1 Display	Shows infrared and real images, menus and functions
2 Interface terminal	Includes micro USB interface for power supply and connection to a computer
3 - Power button - Esc button	- Switch camera on and off - Cancel action
4 - OK button - Joystick	- Open menu, select function, confirm setting - Navigate in menu, select function, select colour palette
5 - Quick select button	Opens the function assigned to the quick select button; the icon for the selected function is shown at the bottom right of the display
6 Infrared camera lens; protective cap	Takes infrared images; protects the lens
7 Trigger	Saves the displayed image
8 Battery compartment	Contains the battery



Switching the camera on/off

- Remove the protective cap from the lens (6).
- Switching on: press **Power** (3).
- Switching off: press and hold down **Power** (3).



To ensure measuring accuracy, the camera performs automatic zeroing approx. every 60 s. You will hear a "click", and the images freezes briefly.

Navigating the menu

- Press **OK** (4) to open the menu.
- Move the **Joystick** (4) up/down to select a function (an orange box appears around it).
- Press **OK** (4) to select the function.
- Move the **Joystick** (4) right to open the sub-menu (indicated with **Right Arrow**).

Saving an image

- Press the **Trigger** (7).
- The infrared image is saved automatically.

Displaying and deleting images

- Select the **Image gallery** function. For how to do this, see Navigating the menu.
- Displaying an image: move the **Joystick** (4) left/right/up/down to select the image, then press **OK** (4).
- Press **Delete** (5) to delete the image.

Setting the emission level



The emission level describes the capability of a body to emit thermal radiation. For correct measurement results, the emission level can be set according to the specific material.

- Select the **Emission level** function. For how to do this, see Familiarising yourself with the menu.
- Move the **Joystick** (4) up/down to select the required material, then press **OK** (4).



RTC (Reflected Temperature Compensation) is a correction value for thermal radiation through other objects. If objects with a much higher/lower temperature are in the proximity of the object to be measured, the irradiated temperature value must be entered. If this is not the case, the ambient temperature can be entered.

@ More information can be found in the instruction manual and the Pocket Guide.

Setting measurements

- Open the **Measurement** sub-menu. For how to do this, see Navigating the menu.

The sub-menu with the measurements opens:
 - Single point measurement**: the temperature measuring point in the centre of the image is highlighted with white crosshairs and the value is displayed. In the case of saved images, the crosshairs can be moved using the joystick to read off the value for other measuring points.
 - Coldspot, Hotspot**: the lowest or highest temperature measuring point is highlighted with blue or red crosshairs and the value is displayed.
 - Measurement range**: the temperature range in which measuring values are displayed (for information purposes).
- Move the **Joystick** (4) up/down to select the required function, then press **OK** (4).

Selecting the colour palette

- 1
- Move the Joystick (4) up/down to toggle between the colour palettes.

Setting the scale

i

Automatic scaling adjusts the scale continuously to the relevant measuring values, and the colour assigned to a measuring value changes.

With manual scaling, fixed limit values are defined, and the colour assigned to a measuring value is fixed (important for visual image comparisons).

Scaling influences the way the infrared image is shown on the display but does not affect the recorded measuring values.

- 1
- Select the Scale function. For how to do this, see Navigating the menu.
- 2
- Move the Joystick (4) left/right until  Auto is selected and then press OK (4).
- Automatic scaling is activated.  is shown at the bottom right of the display.
- 2.1
- Move the Joystick (4) left/right until  (lower limit value) is selected.

- Move the Joystick (4) up/down to set the value and then press OK (4).
- 2.2
- Move the Joystick (4) left/right until  (lower limit value) and  (upper limit value) are selected.

- Move the Joystick (4) up/down to set the values and then press OK (4).
- 2.3
- Move the Joystick (4) left/right until  (upper limit value) is selected.

- Move the Joystick (4) up/down to set the value and then press OK (4).
- Manual scaling is activated.  is shown at the bottom right of the display.

Assigning the quick select button

- i

- The quick select button (5) is a additional navigation option, which you can use to call up functions a the touch of a button.
- 1
- Move the Joystick (4) right to select the Assign button function.
- 2
- Move the Joystick (4) up/down to select the required function, then press OK (4).
- The icon for the selected function is shown at the bottom right of the display.
- 3
- Press  (5) to call up the function.

testo 869
Brief instructions

www.testo.com



www.testo-international.com/869manuals



These brief instructions describe the basic operating steps. Please refer to the instruction manual to find out how to handle the product safely and for detailed information.