

# The right way to measure.

Important tips on the operation and maintenance of the testo 104-IR



## Preparation

### Laser warning



Do not look directly into the laser. This can cause blindness.

### Measuring methods



Measure without contact or with the contact probe.

### Distance



Do not measure from distances > 1 m within the infrared system

### Measuring range



The two laser spots show the exact limits of the measurement area. Ensure both laser spots are positioned on the measurement object.

### Penetration measurement



For penetration measurement, insert minimum 3 cm.

## IR measurement

### Positioning



Point the infrared side of the measuring instrument at the object to be measured and switch on with the [A] button.

### Measurement



Press and hold the [A] button, and continue pointing the laser at the measurement object (2 secs. sufficient).

### Evaluation



#### Release button:

- Measurement result is frozen [Hold]. Switch through measurement values of last measurement with [Hold/Min/Max] button.

Tip: If the IR temperature measured exceeds the limit value, a penetration measurement must be carried out in order to determine the core temperature.

## Penetration measurement

### Switching on



Penetration mode: Fold out probe or press the [M] button (if probe already folded out).

### Preparation



Insert penetration probe into measurement object.

Tip:  
Hold two identical measurement objects together and place the penetration probe between the two objects. Does not damage the goods!

### Measurement



**Auto Hold activated:**

- Audible signal indicates end of measurement, Auto Hold and final value are shown in display.

#### Auto Hold deactivated:

- End measurement by pressing [Hold] button. Final value is displayed.

### Evaluation



Switch through measurement result measurement values of last measurement with [Hold/Min/Max] button.

## Care and maintenance

### Cleaning



Clean instrument under running water with mild detergent.

### Cleaning lens



Wet lens carefully with water or surgical spirit, and clean with a cotton swab.