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 with 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 [▲] button.
- **Measurement**: Press and hold the [▲] 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 [▼] button (if probe already folded out).
- **Preparation**: Insert penetration probe into measurement object.
- **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.