



















## Precision measuring instrument up to 0.05 °C system accuracy, testo 950

### The right probe for every application

<b>NEW</b>		Highly accurate immersion/penetration probes with a system accuracy of 0.05 °C in the measuring range from 0 to 100 °C and a resolution of up to 0.001 °C	<p><b>Temperature measurement</b></p> <ul style="list-style-type: none"> <li>● The PTB accredited DKD laboratory for temperature guarantees reliable readings</li> <li>● First PTB accredited DKD laboratory for surface temperature, developed in cooperation with PTB and the University of Ilmenau</li> <li>● Patented crossband probe for fast surface measurements</li> <li>● Custom-designed temperature probes for your application</li> </ul> <p><b>Highest precision</b></p> <p>testo 950 combines user-friendly, menu-driven operation with the highest precision. In addition to fast and efficient thermocouple probes, Pt100 probes corresponding to EN 60751 (previously IEC 751) or selected high precision probes on a Pt100 basis with 1/10 DIN accuracy can be connected.</p> <p>The latest addition to our range is the immersion/penetration probe 0614 0240 with a system accuracy of 0.05 °C in the measuring range from 0 to 100 °C and a resolution of up to 0.001 °C.</p> <p><b>Current and voltage measurement</b></p> <ul style="list-style-type: none"> <li>● Optional connection of external transmitters, such as particle counters and pressure transmitters and scaling of input in instrument</li> </ul> <p><b>CO and CO<sub>2</sub> measurement</b></p> <ul style="list-style-type: none"> <li>● Long-term stable 2 beam procedure to measure reference and measurement duct for CO<sub>2</sub></li> </ul> <p><b>rpm measurement</b></p> <ul style="list-style-type: none"> <li>● Mechanical rpm measurement from 20 to 20,000 rpm</li> </ul>
		Quick-action surface probes to measure surface temperature	
<b>°C</b>		Robust surface probes for measurements on objects with a high heat conducting capacity, e.g. large metal objects	
<b>ppm CO</b>		Precision air probes to measure air temperature	
<b>Vol. % CO<sub>2</sub></b>		Flexible precision immersion probes to measure liquids and food	
<b>rpm</b>		Robust immersion/penetration probes made of V4A stainless steel Water-proof and boil-proof version for measurements in liquids, solid or semi-solid substances	
<b>mA</b>		Smelting probes for measurements in non-ferrous melting baths	
<b>V</b>		Pipe wrap probes for flow/return temperature measurements in hydronic systems	
		Magnetic probes, adhesive force approx. 10/20 N for measurements on metal surfaces	
		Miniature surface probes for measurements on electronic components, small motors...	
		Roller surface probes for measurements on rollers and rotating drums	
		Velcro probes for measurements on pipes	
		Globe thermometers to measure radiant heat	
		Current/voltage cable (± 1 V, ± 10 V, 20 mA) for example, to check stationary transmitters	
		Ambient CO probes to measure CO levels	
		CO <sub>2</sub> probes to determine Indoor Air Quality and monitor the workplace	
		Mechanical rpm probes with plug-in head to measure rpm	

## Precision measuring instrument up to 0.05 °C system accuracy, testo 950

- Upgradable
- Barcode
- Data management
- Prints
- 500,000 readings
- Reference measurement



**Attachable printer**  
Readings can be printed in the matter of seconds on location

**Clear graphics display**

**3 user defined function buttons**

**Saves or prints at the touch of a button**

**Data communication with PC, barcode pen**

**Easy operation with cursor**

**Power connection/quick battery recharge**

**2 freely assignable probe sockets**

Precision reference class measuring instruments have everything the professional user needs to complete complicated measurement tasks efficiently, accurately and conveniently.

testo 950 includes the basic parameters temperature, CO<sub>2</sub>, rpm, current and voltage. testo 950 can be upgraded to the multi-function measuring instrument, testo 400.

The measuring instrument can keep up with the measurement tasks at hand thanks to upgrades. Intelligent electronics ensure the latest technology is used thanks to software updates.

Upgradable and teachable, highly reliable and of the highest quality - they are the properties which guarantee that the customer is equipped for the future.

**Useful instrument functions:**

- System accuracy up to 0.05 °C and up to a resolution of 0.001 °C
- Stores a surface addition for EEPROM probes
- The system for each probe can be adjusted to "zero error" at an adjustment point via precision adjustment, e.g. system adjustment in a highly accurate adjustment bath to "zero error".
- Adjustment of a quick-action EEPROM temperature probe to a highly accurate precision probe ensuring fast and highly accurate measurement.
- Fast temperature measurement with extrapolation to full-scale value

testo 950	
Reference temperature instrument, incl. battery, Li cell and calibration protocol Used for:	
• <b>Temperature</b>	
• <b>CO<sub>2</sub>, rpm and current/voltage</b>	
Part no.	0563 9501

- °C
- ppm CO
- Vol. % CO2
- rpm
- mA
- V