

# PT-100 Test Calibration Instrument

**PT-100 Test measures and simulates resistance from PT-100 transmitters. It is equipped with connectors for both two- and three-wire transmitters. The result is presented on a LCD-display, in Ohms or in Centigrade.**

- Measuring and simulation of resistance or temperatures can be done simultaneously.
- Temperature or resistance are presented on a LCD-display, both for the simulated and measured signals.
- High accuracy and resolution.
- Easy to use.
- Range from -40 to 500 °C
- Powered by a 9 V battery.
- Net adaptable with special transformer .
- Compact design: 95 x 159 x 33 mm.
- Weight 400g



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# Technical Data

## Output signal

To read the output signal value on the display, switch the "DSPL"-button to the "OUT" position, then switch the "SIM"-button to the "DSPL" position. Now you can read the wanted temperature (°C) or resistance ( $\Omega$ ). To begin simulation after the signal had been adjusted, switch the "SIM"-button to the "OUT" position.

Output temperature	Tolerance	Signal resistance
-40 to +500°C	< $\pm$ 0,1%, $\pm$ 1 digit	84,2 to 280,9 $\Omega$

## Input Signal

To read PT-100 resistance, switch the "DSPL"-button to the "IN" position.  
Can be used for both 2-wire and 3-wire connections.

Input temperature	Tolerance	Signal resistance
-40 to +500°C	< $\pm$ 0,1%, $\pm$ 1 digit	84,2 to 280,9 $\Omega$

## Display

The display can show temperature (°C) or resistance ( $\Omega$ ), depending on which unit has been chosen with the "UNITS"-button. "BAT" is shown in the display when battery power falls below the minimum for safe operation,

## Supply

Normally from a 9V battery. PT-100 Test can also be connected with a special transformer (230V 50HZ). The battery and the fuses are mounted under the back plate of the unit for easy access.

## Other data

Modelno: PT05E  
Working temperature 0 to +50 °C  
Storage temperature -10 to +60 °C  
Relative humidity max 80 %  
Automatic zero  
Automatic polarity  
Over-range indicator  
Weight 400g  
Size 95 x 159 x 33 mm

## Accessories

Transformer 230 V 50 Hz  
Test leads (5 per set)  
Special ranges can be obtained on request



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