

## Precision RTD Thermometer typu 100-PT

**Function:** thermometer

temperature measuring in °C

resolution 0,1°C or 0,01°C

HOLD function - enabling to freeze the measurement result on the display- LIGHT function - allowing to light up the display

T/MIN, T/MAX functions - allowing to display previously saved minimum and maximum temperature values

ERASE function deleting saved minimum and maximum values by pressing either T/MIN and HOLD or T/MAX and 0,1/0,01

waterproof casing IP 66

Functions together with a platinum RTD (resistive thermal device) - Pt100 sensor

**A Precision 100-PT Thermometer** is designed for measuring temperatures ranging from -50°C to 250°C. A 100-PT thermometer is a portable device for accurate temperature measuring, it functions together with a temperature probe equipped with a platinum precise Pt100 temperature sensor. In this type of a thermometer there is a highly-productive microprocessor used with a 24-bit precision analog-to-digital converter of sigma-delta type. The result of measuring is displayed on a 6-digit modern LCD display of a COG (chip on glass) type. To control and manage the device's power supply there is another microprocessor used. Thanks to these implementations a very high quality and accuracy of the device is achieved.

The device is protected by a special industrial casing made of ABS material that characterizes with a very high mechanical durability. In the thermometer's construction there are special insulations used, thanks to which it is waterproof as well as dust and dirt resistant.

Temperature range	From -50°C to +250°C
Resolution	In the whole measurement range 0,1 or 0,01°C
Accuracy	In the whole measurement range higher than 0,03°C
Temperature drift	0,001°C/°C
Electrical resistance measurement	Four-wire configuration
Linearization	Direct mathematical
Display	5 digits LCD height. 10mm
Feeding	2xAA (alkaline batteries)
Battery life span	100 hours
Casing size [mm]	150x80x35
Casing protection degree	Ip66

