

## PRECISION DIGITAL THERMOMETER 100-TP

Precision Pt100 probe digital thermometer 100-TP measures temperature over the range  $-50^{\circ}\text{C}$  to  $250^{\circ}\text{C}$  with resolution  $0.01^{\circ}\text{C}$  and accuracy  $0.03^{\circ}\text{C}$ . 100-TP was made to control other devices. 100-TP can be used in labs, pharmaceutical industry and food industry.

Platinum thermometer 100-TP features large easy to read display with min/max function, hold function, low battery indication, backlight, resolution toggles between  $0,1^{\circ}\text{C}$  and  $0,01^{\circ}\text{C}$ .



Thermometer 100-TP is as standard supplied with ST01-1200 penetration probe 4x200mm one metre cable with Pt 100 sensor.

Other probe size, length available on request. Customized probe can be manufactured according your specifications.

Due to hermetic construction of the device, it is resistant to dirt and moisture.

Temperature range with ST 01-1200 probe:  $-50^{\circ}\text{C}$  to  $250^{\circ}\text{C}$

Temperature range with ST06 probe:  $-50^{\circ}\text{C}$  to  $500^{\circ}\text{C}$

Operating temperature:  $0^{\circ}\text{C}$  to  $40^{\circ}\text{C}$

Operating temperature for cable and handle:  $100^{\circ}\text{C}$

Resolution:  $0.1^{\circ}\text{C}$  or  $0.01^{\circ}\text{C}$

Accuracy:  $-/+0,03^{\circ}\text{C}$  from  $-10^{\circ}\text{C}$  to  $100^{\circ}\text{C}$ ;  $-/+0,05^{\circ}\text{C}$  from  $101^{\circ}\text{C}$  to  $150^{\circ}\text{C}$

Battery: 2xAA included

Dimensions:  $150 \times 82 \times 29$  mm

Protection: IP65-electronics, IP67-probe

Measuring probe: diameter 4 mm, length 200 mm, other size on request

Cable length: 1 m, other size on request

Sensor's cover material: acid-resistant steel 1H18N9T

Resistance measurement : 4 wire

Linearization : direct mathematic

Sensor: Pt100