

# PT401 PRECISION REFERENCE THERMOMETER



4-wire Pt100

1/10 DIN B

0,1°C Accuracy

Waterproof

Built-in datalogger

- PT-401 is a highly accurate and repeatable thermometer with great number of additional features.
- The meter contains a new generation 16 bit measuring analogue to digital converter
- The measurement is done with RTD probe Pt-100 class DIN 1/10 B
- Replacing the sensor doesn't require calibration.
- 4 wire measuring method makes measurement accuracy undependable of cable length.
- The readings can be displayed in °C, °F or K.
- Large LCD display shows reading and additional symbols, what makes working easier.
- During continuous measurements information about maximal, minimal and average value is available.
- Alarm function enables setting maximal and minimal value, when they are exceeded it switches the alarm on.
- There is possibility of sending the signal about exceeding the limits to external relays
- PT-401 has internal clock with date and time.
- Internal datalogger enables storing up to 240 results taken single or as series with given time interval.



- All data is stored in non-volatile memory.
- Possibility of connecting with a PC by RS-232 output or with standard printer by interface.
- Powered by 9V battery or 9V power

## ACCURACY

| Function                              | °C                                   | °F                      | K                            |
|---------------------------------------|--------------------------------------|-------------------------|------------------------------|
| Range                                 | -200.00 ÷ 400.00 °C                  | -328 ÷ 752.00 °F        | -73.15 ÷ 673.15              |
| Resolution                            | 0.01, 0.1, 1                         |                         |                              |
| Accuracy in range:                    | 0 ÷ 100 °C<br>±0.10 °C               | 32 ÷ 212 °F<br>±0.18 °F | 273.15 ÷ 373.15 K<br>±0.10 K |
| Accuracy in full range:<br>(±1 digit) | ±0.25 °C                             | ±0.51 °F                | ±0.25 K                      |
| Dimensions                            | L = 149 mm<br>W = 82 mm<br>H = 22 mm |                         |                              |
| Weight                                | 220 g                                |                         |                              |



Uw distributeur  
**Hitma B.V.**

Vragen over handmeters:  
[www.hitma-handmeters.nl](http://www.hitma-handmeters.nl)



## APPLICATIONS

Because of the high accuracy the PT-401 thermometer can be used as reference thermometer in all kind of calibration applications in hospitals, laboratories, agriculture, HVAC, industry etc.



## STANDARD 5-POINT CALIBRATION

ATAL standard provides a traceable 5-point calibration report with the instrument.



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