

PT401 PRECISION REFERENCE THERMOMETER



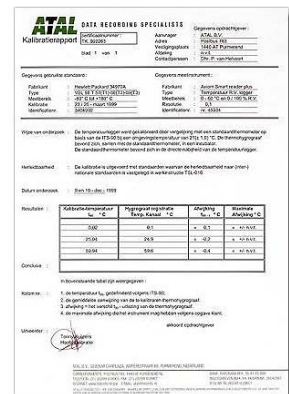
- 4-wire Pt100
- 1/10 DIN B
- 0,1°C Accuracy
- Waterproof
- Built-in datalogger

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.

- 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 ±0.10 °C	32 ÷ 212 °F ±0.18 °F	273.15 ÷ 373.15 K ±0.10 K
Accuracy in full range: (±1 digit)	±0.25 °C	±0.51 °F	±0.25 K
Dimensions	L = 149 mm W = 82 mm H = 22 mm		
Weight	220 g		



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