

THERMO HYGROMETER

PCE-HT 70



- » **USB datalogger**
- » **Calculation of dew point**
- » **Max. 16,000 data records can be saved**
- » **Export to software possible**
- » **450 day running time**
- » **Adjustable storage rate from 1 second**
- » **Compact dimensions**
- » **Wall bracket incl.**

The thermo-hygrometer records the air temperature and humidity and stores them internally. The compact thermo-hygrometer with a large memory (up to a maximum of 16,000 values) is primarily used for long-term registration, for example in the food sector (e.g. refrigerated counters in supermarkets, refrigerated transport, warehouses) or in the industrial sector (heating and cooling processes, machine temperatures, product warehouses...). An LED signals that the thermo-hygrometer is recording data. The values stored in the device are transferred to a PC or laptop and the software evaluates them graphically as a curve. Of course, the measured values are also displayed in a table. The storage can either be triggered manually or you program the thermo-hygrometer in advance (start and stop time, date and recording rate) to record on site.

The internal real-time clock with date allows the user to precisely program the events. The storage rate of the thermo-hygrometer is freely adjustable. The compact dimensions allow the thermo-hygrometer to fit almost anywhere. The current measurement can be ended and a new measurement started automatically by pressing the button on the thermo-hygrometer. This function of the thermo-hygrometer is particularly helpful when monitoring freight, if you want to check the transport back and forth without having to re-program the thermo-hygrometer.

Specification

Relative humidity	
Measuring range	0 ... 9 %
Resolution	0,1 %
Accuracy	±4 % RH
Temperature	
Measuring range	-20 ... 0 °C
Resolution	0,1 °C
Accuracy	±0.8 °C
Temperature	
Measuring range	0 ... 70 °C
Resolution	0,1 °C
Accuracy	±0.5 °C

General technical data	
Display type	without display
Storage medium	Internal memory
Storage capacity	16000 Values
Storage interval from	1 s
Storage interval to	15 min.
Interface	USB
Response time	2 min
Operating time	450 Day(s)
Drift	Temperature: 0.03°C / year Humidity: 0.25% r.h. / year
Protection class (device)	IP30
(Rechargeable) battery	1 x 3 V CR 2032 (button cell 3V) , lithium
Capacity	220 mAh
Operating conditions	-40 ... 85 °C , 0 ... 100 % RH
Storage conditions	-40 ... 85 °C , 0 ... 95 % RH
Dimensions (L x W x H)	69,5 x 47,5 x 18,7 mm
Weight	44 g