

Environmental Meter PCE-HT 70



Environmental Meter for Temperature and Humidity / Compact / Long battery life / 16,000 measured values storable

The environmental meter 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.

- ▶ 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.

Specifications

Measured parameter

Temperature

Measuring range	-40 ... 85 °C
Accuracy	±0.5 °C (0 ... 70 °C) ±0.8 °C (-20 ... 0 °C)

Measurement / storage rate 1 s ... 15 days

Measured parameter

Relative humidity

Measuring range	0 ... 100% rel. humidity
Accuracy	±3% rH (10 ... 90 % rH) ±4% rH (rest of range)

Measurement / storage rate 1 s ... 15 days

Measured parameter

Drift

Accuracy	Temperature: 0.03 °C / year Humidity: 0.25 % r.H. / year
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Response time	2 minutes
Memory size	max. 16,000 measured values
Power supply	CR2032 battery
Battery life	ca. 450 days (@25 °C / 15 min. storage rate)
Environmental conditions	-40...+85 °C
Protection	IP30
Dimensions	69.5 x 47.5 x 18.7 mm
Weight	44 g

More information

More product info



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