

TEMPERATURE-HUMIDITY DATALOGGER

PCE-THD 50



- » Measuring range -20 ... 60 °C / -4 ... 140 °F
- » Temperature, humidity, dew point
- » Backlit LC display
- » Micro USB interface
- » Rechargeable battery
- » Data memory for 32,000 readings
- » Wet bulb temperature
- » Optionally with ISO calibration certificate

The hygrometer is the ideal measuring device to check the climatic conditions in, for example, warehouses, production halls or greenhouses. The hygrometer can measure the ambient temperature and humidity. Temperatures between -20 ... 60 °C (-4 ... 140 °F) can be measured reliably and quickly by the hygrometer. In addition, the dew point and wet bulb temperature is calculated and displayed by the hygrometer. In addition, any type K thermocouple can be connected to the hygrometer in a temperature range of -100 ... 1372 °C (-148 ... 2501 °F). As soon as the connected thermocouple has been recognized, the temperature display automatically switches from the hygrometer to the thermocouple.

Measured values can be recorded with the data logger function of the hygrometer. The large memory of 32,000 measuring points in the hygrometer allows recording of measured values over a long period of time. After data logging, all logged measuring points can be read out and analyzed via the micro-USB interface of the hygrometer and the free software. The data logged by the hygrometer can be exported in CSV file format for further processing.

A 3.7 V Li-ion battery is installed in the hygrometer to enable mobile use. This battery can be recharged via the micro-USB interface on the hygrometer.

Specification

General technical data

Power supply	3.7 V
Battery/battery	1 x 3,7 V intern , Lithium-ion polymer battery
Battery capacity	2500 mAh
Operating conditions	0 ... 40 °C , 0 ... 80 %RH
Storage conditions	-10 ... 60 °C , 0 ... 80 %RH
Dimensions (L x W x H)	162 x 88 x 32 mm
Weight	248 g