

TEMPERATURE HUMIDITY LOGGER

PCE-THD 50S



- » **Measuring range -20 ... 60 °C**
- » **Temperature, humidity, dew point**
- » **Backlit LCD display**
- » **Micro-USB interface**
- » **rechargeable battery**
- » **Data memory for 32,000 measured values**
- » **Wet bulb temperature**
- » **incl. sintered filter**

The humidity meter is the ideal measuring tool for checking the climatic conditions in warehouses, production halls, or even greenhouses. The humidity meter can measure the ambient temperature and humidity. Temperatures between -20 and 60 °C can be measured reliably and quickly by the humidity meter. The humidity meter also calculates and displays the dew point and wet bulb temperatures. Furthermore, any type K thermocouple within a temperature range of -100 to 1372 °C can be connected to the humidity meter. As soon as the connected thermocouple is detected, the temperature display on the humidity meter automatically switches to the thermocouple.

A sintered cap is located over the sensors on the relative humidity meter. This sintered cap has the special function of protecting the sensors from coarse dirt and impacts. This allows the relative humidity meter to be used in harsh environments without damaging the sensors.

The moisture meter's data logger function allows you to record measured values. The moisture meter's large memory of 32,000 measurement points allows you to record measured values over a long period of time. After data logging, all logged measurement points can be read out and analyzed via the moisture meter's micro-USB port and the free software. The data logged by the moisture meter can be exported in CSV file format for further processing.

To enable mobile use, the moisture meter features a built-in 3.7 V Li-ion battery.

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