Technical Relative Humidity Meter PCE-HT 71N-10

Data Logger PCE-HT 71N
mini Data Logger for prolonged measurement of temperature and relative humidity, 32k memory, USB port, software to calculate dew point, powered by a long-life lithium battery

The PCE-HT 71N Data- Logger detects air temperature and humidity and stores readings to its internal memory. ThisData- Logger is compact and has enough memory to store up to 32,000 readings, 16,000 for each parameter, and is used above all as a Data- Logger, in supermarket refrigeration units, refrigerated transport, warehouses and other temperature controlled environments. The device works as a Data- Logger that records climatological data in spaces with controlled conditions. Data can be transferred to a computer via the USB port. The device can be activated manually or can be preprogrammed to start and stop on specific dates and times as well as setting the intervals at which measurements will be taken, allowing it to be left to record data unsupervised. Once transferred, data can be analysed on a computer. The software also calculates dew point. The internal clock allows the user to accurately assess the results. One special characteristic is that the device is powered by a removeable 3.6V, long-life lithium battery. Depending on how often the device is used, the battery could last up to a year.

-32k of memory
-USB port
-includes software for calculating dew point and analysing data in a computer
-includes a wall mount
-adjustable date and time (loses 3 seconds per month)
-measurement intervals adjustable from every 2 seconds up to every 24 hours
-Long-life lithium battery
-non-volatile EEPROM
-status indicated by way of 2 LEDs, including alarm
-programmable alarm limits across entire measurement range
-replaceable battery

Technical Specifications

Measurement ranges	0 to 100% r.h. / -40 to 70ºC
Accuracy	±3% r.h. / ±1°C
Resolution	0.1% r.h. / 0.1°C
Sensors	internal (humidity and temperature)
Memory	max. 32,000 readings (16,000 for each parameter)
Measurement intervals	adjustable from 2, 5, 10 sec. up to 24h
Start and stop date and time	programmable

Alarm limit	adjustable
Status indicator	via two LED LEDs (recording data / alarm)
Interface	USB
Software	included with the device
Dew point temperature	calculated by the software once data has been transmitted (accuracy:±2°C)
Power	3.6V lithium battery (life: approx. 1 year)
Positioning	- can be wall mounted or placed anywhere on a flat surface
Operating conditions	-40 -40 to 70°C / 0 to 100% r.h.
Enclosure	ABS plastic
Dimensions	101101.5 x 30mm
Weight	25g

Delivery contents:

10 x PCE-HT 71N Data Logger
10 x mains adaptor
10 x battery
10 x software
10 x user's manual