DEWPOINT METER

PCE-HT 71N



- **Storage capacity: 32 K**
- **USB port**
- **A software for calculating dew point and analysing data in a computer is**
- **included**
- **Wall mount included in the delivery**
- **Adjustable date/time clock (it loses 3 s / month)**
- **Adjustable measurement quota (2s ... 24h)**
- **Long-life lithium battery**
- **non-volatile EEPROM**
- **staus indicated by 2 LEDs (including alarm)**
- **programmable alarm limits across entire measurement range**

The PCE-HT 71N Dewpoint Meter detects air temperature and humidity and stores readings in its internal memory. The Dewpoint Meter has a compact format and a wide memory capacity (up to 32,000 values / 16,000 values for each parameter) and it is mainly used as a data logger in fields such as supermarket refrigeration units, refrigerated transport, warehouses, and other temperature controlled environments. The Dewpoint Meter works as a data logger to record climatological data in spaces with controlled ambient conditions. Data can be transferred to a computer or a laptop via the USB port. The PCE-HT 71N Dewpoint Meter can be manually activated or can be programmed to start and stop on specific dates and times or to set the intervals at which measurements will be taken, allowing it to be left to record data in situ. Once transferred, data can be analysed on a computer. The software included in the delivery also calculates dew point. The internal clock allows the user to accurately assess the results. One special characteristic of the PCE-HT 71N is that it is powered by a removable 3.6 V, long-life lithium battery. The battery life is approximately one year.

Specification

Relative humidity	
Measuring range	0 ... 100 % RH
Resolution	0,1 % RH
Accuracy	±3 % RH
Temperature	
Measuring range	-40 ... +70 °C
Resolution	0,1 °C
Accuracy	±1 °C

General technical data	
Display type	without display
Storage medium	Internal memory
Storage capacity	16000 Data records
Memory capacity (additional information)	A data record consists of one value for temperature and one for humidity.
Storage interval from	2 s
Storage interval to	24 h
Interface	USB
Operating time	1 Year(s)
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Protection class (device)	IP20
(Rechargeable) battery	1 x 3,6 V 1/2 AA 3.6 V LI-$SOCl_2$ (LS 14250) , lithium
Capacity	1200 mAh
Operating conditions	-40 ... 70 °C , 0 ... 100 % RH
Storage conditions	-40 ... 70 °C , 0 ... 100 % RH
Dimensions (L x W x H)	130 x 30 x 25 mm
Weight	20 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk