

DATA LOGGER

PCE-HT 114 data logger

Air temperature and humidity, external probe, USB readout

PART NUMBER

PCE-HT 114



DESCRIPTION

PCE Instruments PCE-HT 114 multifunction data logger for measuring and recording air temperature and humidity. Its large LCD shows both values at once, and its 25,920-point memory supports continuous monitoring over long periods.

Alarm limits are adjustable and data is transferred to a computer over a simple USB link. The remote external probe (2 m cable) allows measurement inside an enclosure while the display stays accessible.

TECHNICAL SPECIFICATIONS

Specification	Value
Temperature range	-40 to +125 °C (external probe)
Temperature resolution	0.1 °C
Temperature accuracy	± 0.3 °C (-10 to +65 °C) — ± 0.5 °C over the remaining range
Humidity range	0 to 100 % RH (external probe)
Humidity resolution	0.1 % RH
Humidity accuracy	± 3 % (10 to 90 % RH) — ± 4 % over the remaining range
Response time	5 min
Memory	25,920 measured values
Logging interval	30 s, 60 s, 2, 5, 10, 15, 20, 25, 30 min or 1 h — adjustable
Display refresh	5 s
Alarm	Audible signal, adjustable high / low thresholds
Interface	USB
Power supply	3 × 1.5 V AAA batteries or 5 V USB
Battery life	Approx. 1 year (without backlight or alarm)
Operating conditions	-30 to +65 °C
Storage conditions	-30 to +65 °C (without battery)
Display unit dimensions	96 × 108 × 20 mm
Probe head	Ø 5.7 × 24 mm — 2 m cable

TECHNICAL DATA SHEET

Metrology & cold chain



Specification	Value
Weight	120 g
Protection rating	IP20

KEY BENEFITS

- 25,920-point memory: several months of history without intervention.
- Fast data readout over USB, with no dedicated hardware required.
- Adjustable alarm limits with audible signal.
- Remote external probe for measuring inside an enclosure.
- Approximately one year of battery life on AAA cells.

APPLICATIONS

- Pharmaceutical cold chain
- Laboratories and plant rooms
- Warehouses and logistics areas
- Refrigerators and freezers
- Vaccine storage
- Building environmental monitoring

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