



Rotronic HP23-A HygroPalm Humidity & Temperature Meter Complete Kit

Product Images



Short Description

The perfect handheld instrument and calibrator for climatic measurements.

Description

The HP23 is a multi-function hand-held indicator that can read the data from up to two HygroClip2 probes and display relative humidity, temperature and a calculated parameter such as the dew or frost point. Full logging functions including spot recording, with time base, multi-point calibration adjustment.

The HC2-S probe is the most versatile probe from Rotronic. It measures humidity and temperature and calculates the dew/frost point.

Any probe input can also be configured by the user to accept a third party analogue probe (restrictions apply).

The HP23 indicator offers extensive settings and functions that can be enabled and configured by the user either directly from the keypad or with the ROTRONIC HW4 software.

The measurement results can be recorded continuously and these separated simply using the batch function. All ROTRONIC transmitters in the Airchip3000 series can be adjusted with the HP23-A via a service cable.

Applications: Mobile applications in the food & pharmaceutical industries, HVAC/building management systems, museums and warehouses.

Key Features of the HP23-A handheld instrument

- Highest possible measuring accuracy
- Ensures measurement reproducibility
- Relative humidity and temperature measurement and calculated psychrometric values
- Data recording function up to 10,000 data records (with date, time, batch no.)
- Two probe connections for all ROTRONIC HC2 probes or analogue third-party probes
- Adjustment of transmitters HF3, HF4, HF5, HF7, HF8, via service cable
- Integrated clock (real time clock) for timestamp for every measured value
- Mini USB interface available for a PC running HW4 software)
- Battery charging function.

HP23-A-SET consists of

- Handheld instrument: HP23-A
- Standard humidity & temperature probe: HC2A-S (Accuracy: ± 0.8 %rh, ± 0.1 K, at 23 °C ± 5 K)
- Extension cable, 2 m: E2-02A
- Calibration device: ER15
- Humidity std. 80 %rh: EA80-SCS
- HW4 software: HW4-E-Vx
- Service cable: AC2001
- USB-A to USB-Mini cable: AC0003
- Carry case: AC1127

Statistical functions	Min / Max, Average
Probe adjustment by software	Yes, with service cable
Probe adjustment by keypad	1 point or multi-point temperature and humidity adjustment
Event logging	Yes
Software Update	With internet and HW4 software
User information	from Software HW4 (devicemanager)
Data processing via HW4	Graphics, statistics, analysis, qualification, etc.
Audit Trail/ electronic records	FDA 21 CFR Part 11 and GAMP compatible
Choice of Battery / rechargeable battery	Yes
Supply for 3rd party probes	Yes, battery voltage
Service Information	Date of last calibration
Enclosure material	ABS
Fire protection class	Complies UL94-HB
IP protection rating	IP40
Max. cable length	Up to 5 m with passive cable. Up to 100 m with active cable.
Probe material	Dependent on probe
Reverse voltage protection	Mechanically in the connector
Service Interface	Mini USB
FDA/GAMP compatibility	FDA 21 CFR Part 11 and GAMP compatible
Dimensions	196 x 72 x 35 mm
Weight	300g
Ideal For	Professional
Brand	Rotronic
Maximum Temperature	+200
Typical applications	Building Performance, Environmental (Indoor), HVAC
Measurements	Humidity, Temperature