

# HYGROPALM HP32



## ADVANTAGES

- Relative humidity, temperature and psychrometric calculations
- Graphical display for graphs and up to 4 values
- Freely settable visual and audible alarms on every value
- 64'000 data points memory for time programmable interval logging
- Long lasting battery (up to 48h when logging every 30s)

## APPLICATIONS

- Field inspection and spot checks in HVAC
- Building Management Systems
- Agriculture and Food industry
- Pharmaceutical Industry



## TECHNICAL INFORMATION

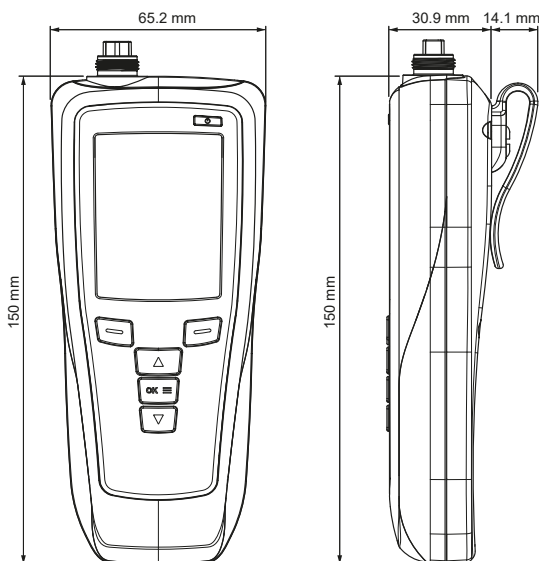
### Compatible with

- All HC2 and HC2A probes
- HW4 Software

### Package content

- HygroPalm HP32 (without probe)
- Soft Case
- Micro-USB Cable (computer connection and battery charging)
- HW4 LITE license key (3 instruments connected max)

### Drawing



General specifications	
Device type	Handheld device (%RH / °C)
Compatible probes	All HC2A and HC2 probes
Application range	-10...60°C   0...100%RH (non-cond.)
Storage range	-10...45°C   10...90%RH
Probe application range	Depends on the probe
Accuracy	Depends on the probe
Functions	Spot measurements Time programmable interval logging MIN / MAX / AVG
Logging interval	1s...24h
Memory capacity	8x8000 data points
Psychrometric calculations	Dew / Frost point (Dp / Fp) Wet bulb temperature (Tw) Enthalpy (H) Vapor concentration (Dv) Specific humidity (Q) Mixing ratio by weight (R) Vapor pressure (E) Saturation vapor pressure (Ew) Saturation vapor density (SVD)
Calculation method	WMO Standard
Display refresh rate	1 s (typical)
Integrated Battery	Lithium Polymer, 3,7V, 1000 mAh 48h – Logging every 30s, screen off 10h – Screen always on
PC Interface	Micro-USB port, HW4 compatible
Housing / Mechanics	
Housing Material	ABS, TPR
IP Protection	IP65
Dimension	160 x 63 x 30 mm
Weight	185 g

## POSSIBLE PROBES FOR THE HP32

### STANDARD PROBE AND HIGH PRECISION PROBE

Accuracy (Standard):	$\pm 0.8\% \text{RH}$ , $\pm 0.1 \text{ K}$ at 10...30 °C
Accuracy (High Precision):	$\pm 0.5\% \text{RH}$ at 10..90 %RH, $\pm 0.1 \text{ K}$ at 10...30 °C
Application Range:	-50..100 °C, 0...100 %RH
Long-term stability:	<1 %RH / year
Order code:	HC2A-S (Standard) HC2A-SH (High Precision)



### HIGH TEMPERATURE HANDHELD PROBE

Accuracy:	$\pm 0.8\% \text{RH}$ , $\pm 0.1 \text{ K}$ at 10...30 °C
Application Range:	-100..200 °C, 0...100 %RH
Long-term stability:	<1 %RH / year
Cable length:	2 m
Order code:	HC2-HK25



### INSERTION PROBES

Accuracy:	$\pm 0.8/1.5\% \text{RH}$ , $\pm 0.1/0.3 \text{ K}$ at 10...30 °C
Application Range:	-40..85 °C, 0...100 %RH
Long-term stability:	<1 %RH / year
Cable length:	2 m
Order code:	HC2-P05, HC2-P28, HC2-P50



## POSSIBLE SOFTWARE FOR THE HP32

### HW4 LITE

- Free license included with the device.
- Visualization, data export and evaluation of measured values
- **A maximum of 3 instruments** connected simultaneously

Order code: HW4-LITE

### HW4 STANDARD

- Single-user application license
- Visualization of multiple loggers and measured values
- Monitoring (one instrument at a time), data logger programming, data retrieval, scaling, instrument settings, alarm function, service and configuration tool for Rotronic instruments, time synchronization, adjustment and calibration of Rotronic probes
- No password protection

Order code: HW4-E-V3

### HW4-PROFESSIONAL (HW4-P-V3)

- Network applications in the pharmaceutical and food industries
- All functions of the standard edition
- Multiple-user applications license (same site)
- Fulfills the requirements for electronic data records and signatures (FDA21 CFR Part 11, Annex 11)
- Grouping of devices, graph overlays, printing of reports

Order code: HW4-P-V3

An up-to-date overview of our extensive range of accessories such as probes, cables, filters, sets, software and calibration equipment compatible with the HygroPalm HP32 is available on our web site: [www.rotronic.com](http://www.rotronic.com).