

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

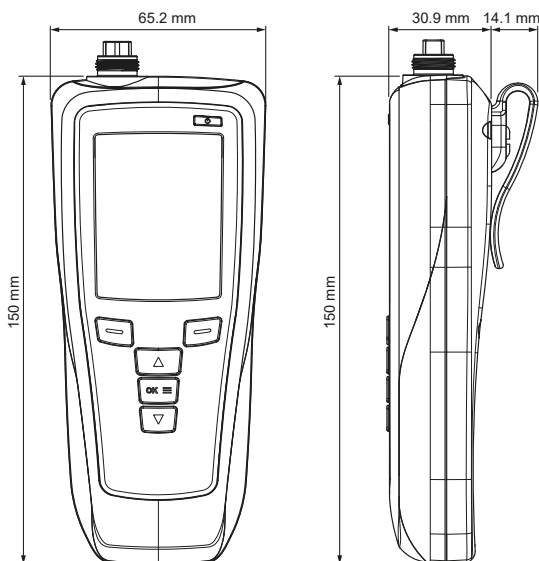
Compatible with

- 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 |

Subject to technical change without notice. Printing and other errors reserved.

59073E/2018-02

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: | $< 1\% \text{RH} / \text{year}$ |
| 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: | $< 1\% \text{RH} / \text{year}$ |
| 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: | $< 1\% \text{RH} / \text{year}$ |
| 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.