

HYGROPALM

HYGROCLIP[®]

Humidity goes Digital



HygroPalm 0

Portable Humidity Temperature Instrument

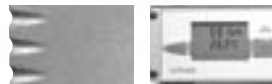
- Precision measurement of humidity and temperature
- Integrated probe with $\pm 1.5\%rh/0.3\text{ }^{\circ}\text{C}$ accuracy
- Dew-point measurement and wet bulb temperature
- 1-point adjustment performed in seconds
- SWISS MADE

rotronic[®]

LEADING IN HUMIDITY MEASUREMENT

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HygroPalm 0

- Portable instrument for %rh, °C/°F
- Display of dew-point or wet-bulb
- Single point probe adjustment

HygroPalm 0 is an ergonomic instrument with an integrated probe that provides measurements with high precision.

The accuracy of $\pm 1.5\%$ rh at 23 °C over the whole range of humidity is unrivalled in this price class. The Hygromer® AC-1 humidity sensor has an unparalleled long-term stability of better than 1%rh/year!

ROTRONIC grants a warranty period of two years for this product.

Calibration

In combination with the SCS*-certified humidity standards, a single point adjustment can be performed directly with the keypad.

* SCS = Swiss Calibration Service

Applications

Monitoring of production sites, warehouses, museums, galleries, shopping centres, laboratories or computer rooms are typical applications for this instrument.



Summary & Technical Data

| SPECIFICATIONS | HYGROPALM 0 |
|-----------------------------|---|
| Measuring range | 0...100 %rh, -10...60 °C |
| Humidity sensor | Hygromer® AC-1 |
| Temperature sensor | Pt100 1/3 DIN |
| Accuracy at 23 °C | $\pm 1.5\%$ rh, ± 0.3 K |
| Reproducibility | Better than 0.5 %rh, 0.1 °C |
| Long term stability | < 0.1 %rh /year |
| Calculations | Dew point and wet-bulb temperature |
| Adjustment | 1-point (%rh, °C, °F) directly with keypad |
| Operating range electronics | 0...100 %rh (non condensing) / -10...+60 °C |
| Display type | Liquid crystal 4 line alphanumeric |
| Display resolution | 0.1 %rh, 0.1 °C/°F, 0.01 calculated value |
| Instrument power supply | 30 mA max. power consumption, 9 V alkaline battery, 100 hours life, 9 V rechargeable, 75 hours life, docking station recharging, 9 V mains adapter, |
| Weight | Ca. 280 g |

| ORDER INFORMATION | HYGROPALM AND ACCESSORIES |
|-------------------|---|
| HygroPalm 0 | Humidity temperature meter, incl. probe, dew-point/wet-bulb calculation |
| PalmDock 1 | Docking station for power connection with battery charger |
| PalmDock 2 | Same as PalmDock 1, but with lock |
| AC1207 | Mains adapter for PalmDock 1 and PalmDock 2 |
| ER-15 | Calibration device |
| EA35-SCS | Humidity Standards 35 %rh (box of 5 ampoules) with SCS certificate) |
| EA50-SCS | Humidity Standards 50 %rh (box of 5 ampoules) with SCS certificate) |
| EA80-SCS | Humidity Standards 80 %rh (box of 5 ampoules) with SCS certificate) |
| HygroPalm 1 | Humidity temperature meter for HygroClip probes with dew-point/wet-bulb calculation |
| HygroClip S | Interchangeable sensor module for climate measurement, 0...100 %rh, -40...85 °C |