

## HYGROPALM HP23 SERIES

In many situations it can be very useful to measure water activity in production or storage rooms, e.g. inspection of bulk materials to ensure they meet specifications.

The new HP23-AW was developed as a portable solution with most of the functionality of the HygroLab3.

### Applications

Water activity measurements in production processes: random checks of cheese, meat, tobacco, building materials, pet food, bakery products, paper, medicines, horticulture, agriculture, etc.

### Highlights

- Measures humidity and temperature (aw or %rh and °C/°F)
- Calculates absolute humidity
- Software-aided probe calibration / adjustment (one-point / multi-point)
- Range of application 0...1 aw (0...100 %rh) / -10...60 °C
- UART interface
- Battery power monitor
- Trend indicator

### HYGROPALM 23-AW

Order code HP23-AW

- 2 probe inputs for interchangeable HC2 probes, with 9 V battery
- All psychrometric calculations available
- Accelerated measurement of water activity (AW Quick mode):  
allows measurement of most products in typically 4-6 minutes
- Equilibrium humidity measurement (standard mode) with  
automatic detection of equilibrium state
- Adjusted at 23 °C and 10, 35, 80 %rh
- Accuracy:  $\pm 0.8$  %rh (0.008 aw) /  $\pm 0.1$  K (depending on probe used)
- Saves up to 2,000 data records for each of %rh, °C, date, time

Available beginning spring 2009

Not compatible with AW-DIO probe

### AW QUICK

Order code HW4-P-Quick

AW Quick is a highly developed software function for water activity analysis that is integrated in both the HygroLab 3 and in the HP23-AW handheld device. It supplies results in typically five minutes or less. It also allows conventional water activity measurement with automatic detection of humidity equilibrium.



## HYGROPALM AW SETS

The HygroPalm AW sets are the perfect solution for on-site measurements. They are supplied in a tough, lightweight ABS carry case and include everything needed for measurement and calibration.

The difference between the two sets lies in the size of the sample holders and disposable sample containers.

### Applications

Water activity measurements in production areas: checks of cheese, meat, tobacco, building materials, pet food, bakery products, paper, medicines, horticulture, agriculture, etc.

### Highlights

- Measures humidity and temperature (aw or %rh and °C/°F)
- Calculates absolute humidity
- Software-aided probe calibration / adjustment (one-point / multi-point)
- Range of application 0...1 aw (0...100 %rh) / -10...60 °C
- UART interface
- Battery power monitor
- Trend indicators



### AW1-SET-14

Order code HP23-AW-Set-14

- Contains the sample holder WP-14-S/PS-14
- For product samples such as tablets, powders, seeds, powdered spices, tea, etc.

### AW1-SET-40

Order code HP23-AW-Set-40

- Contains the sample holders WP-40/PS-40
- Suitable for measurement of, for example, pet food, ore, nuts, beans, etc.

See «Accessories» for further information.

Available beginning spring 2009

Order information		
Order code HygroPalm AW sets	HP23- AW-Set-14	HP23- AW-Set-40
Consisting of:		
Handheld device	HP23 AW	
Measurement probe	HC2-AW	
Sample holder	WP-14-S	WP-40S
Disposable sample containers	PS-14, 14 mm	PS-40, 40 mm
35 %rh humidity standards	EA35-SCS	
80 %rh humidity standards	EA80-SCS	
50 %rh humidity standards	EA50-SCS	
10 %rh humidity standards	EA10-SCS	
Carry case	AC1124	

**Rotronic HygroPalm 23 Aw Set**  
**Water Activity Aw Measurement**

**Distributor: ThermX Southwest 800-284-3769**

[www.thermx.com](http://www.thermx.com)