HW4
Datei
Geräte und Gruppen
Ansicht
Extras
Hilfe
HL20
HF53
Rotronic HygroLogNT
HYGROCLIP DI Master
Dach Master
HP23
HF65
Raum 2.15_20 Master
NT-WEB Entwicklung
HP23
Geräte Manager
Aufzeichnen
Fühler 1
Fühler 2
Aktuelle Werte
On-line Speicher
Aufzeichnen auf PC
Ansicht
OPC Server
AWE-Modus
#
Name
Messwert 1
Messwert 2
Berechnung
Temperatur
Feuchte
26
24
22
20
18
16
14
12
10
8
6
4
2
0
11:40:20
11:40:30
11:40:40
11:40:50
11:41:00
11:41:10
11:41:20
11:41:30
11:41:40
Probe 1 / Feuchte [%rh]
Probe 1 / Temperatur [°C]
Probe 1 / []
V2.4.0.20054
Start
Inbox - Microsoft Outlook
Acroklima - SPLITGERÄT...
Microsoft Excel - 2011-0...
HW4
Desktop durchsuchen
11:41
ProBook 6550b
NBBD0059
rotronic
USB

PRODUCTS

Aw measurement head HC2-AW

The aw measurement head was developed for use in combination with the HygroLab C1 and the HP23-A-AW handheld analyser. This digital probe enables quick and easy measurement of water activity. It can be calibrated via the HygroLabC1, HP23-A-AW or via the HW4 PC software.

The sample holder size is reduced to a minimum, thereby making it possible for humidity equilibrium to be reached quickly for all products being tested, while the metal housing ensures high temperature stability. All critical surfaces are made of chrome steel for minimal soiling.

You can find information on sample holders, disposable plastic sample containers and the clamp sealing mechanism under Accessories on the Rotronic website and in the main catalogue.

Order code

HC2-AW

Aw measurement head HC2-AW-USB

This USB measurement head can be connected directly to a PC and comes in a set including software or as a single instrument for addition to a system.

The set HC2-AW-USB-SW contains the HW4 software with AW Quick function, thereby opening up all the possibilities of water activity measurement. It can be extended into a multi-station application with up to 64 measurement heads used with a powered USB hub.

Features

- Measurement range: 0…1.00 aw (0…100 %RH), -40…85 °C
- Direct USB PC connection

Order code

HC2-AW-USB

HC2-AW-USB-SW

Clamp sealing mechanism

Under certain circumstances additional mechanical sealing of the AW measurement station and sample holder may be necessary to prevent external conditions influencing the sample. The AW-KHS ensures a strong mechanical seal and is compatible with the WP-40 and WP-40TH sample holders.

Order code

AW-KHS

PRODUCTS

AW INSERTION PROBES HC2-P05, HC2-HP28, HC2-HP50

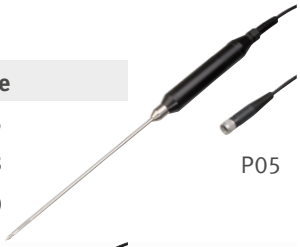
Direct measurement

This probe is suitable for direct measurement of water activity in bulk material samples such as powder, granulated materials, corn and grain. The HC2-HP is equipped with a robust stainless steel probe with a diameter of 10 mm and interchangeable sinter steel dust filter for measurement in dusty bulk materials. The HC2-P05 is the ideal measuring instrument for dust-free applications such as tablets, gel capsules and granulated plastics.

Features

- 5 mm insertion probe, for water activity measurement in dust-free bulk materials (P05)
- 10 mm insertion probe for water activity measurement in dusty bulk materials (HC2-HP28 and HC2-HP50)

Order code
HC2-HP05
HC2-HP28
HC2-HP50



P05

HP28

HP50

WATER ACTIVITY SETS

The different aw start sets contain everything needed to measure water activity and calibrate the measuring instruments to confirm sensor performance.

HP23-AW-SET-40

Order code
HP23-AW-SET-14
HP23-AW-SET-40
HygroLab C1-Set-40
AwTherm-Set

SAMPLE HOLDERS AND DISPOSABLE SAMPLE CONTAINERS

Sample holders and disposable sample containers

The sample holders ensure optimal temperature stability for the product. The WP-40TH sample holder can be combined with a water jacket for additional stabilization of the temperature.

The disposable sample containers (PS-14 and PS-40) ensure optimal utilization of the volume in the sample holder. They prevent the sample holders from coming into direct contact with the product being tested, thereby preventing soiling or cross contamination. The disposable sample containers also provide a convenient means of collecting and storing samples.

Order code
PS-14
PS-40
WP-14-S
WP-40
WP-40TH

PS-14

PS-40

WP-14-S

WP-40

WP-40TH

SOFTWARE

HW4 SOFTWARE

Full compatibility

The HW4 software is compatible with all Rotronic products with USB, UART or Ethernet interfaces and runs on all WINDOWS 7/8/10 operating systems.

Order code

HW4-P-Quick

Functions

- Live display of current measured values
- Recording of measured values
- Configuration of instruments
- Probe calibration and adjustment
- Online calculation of humidity and aw values
- Alarm function with e-mail
- AwQuick function (HW4-P-QUICK)
- Measurement within 4 – 5 minutes
- User management

PDF report available

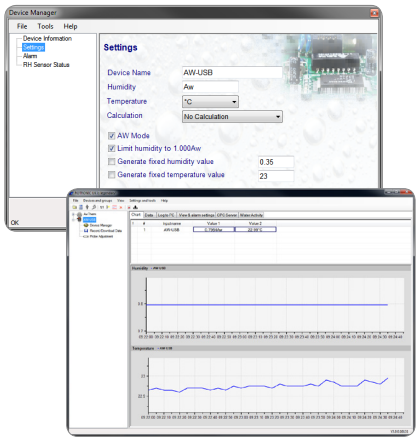
Viewing of measured values / Monitoring

Viewing of measured values is very easy and user-friendly. Files of any device shown in the device tree can be copied and opened directly with the HW4 explorer. The data is presented in both tabular and graphical formats. The graph module can be configured by the user.

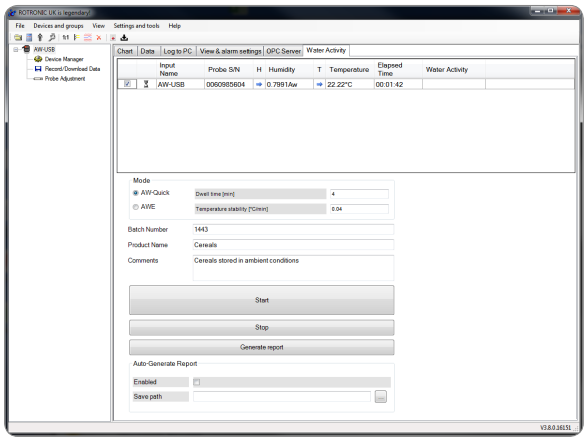
Instrument configuration

The HW4 PC software can be used to adjust the settings of Rotronic instruments and probes. Depending on the instrument and probe, the following functions and settings can be changed:

- general device settings
- password protection of device settings
- change the system units: metric / Imperial
- AwE and Aw Quick
- aw mode settings
- validation FDA 21 CFR part 11



HW4 measured values shown graphically



Water activity measurement setup with HW4 PC software