

HYGROCLIP[®]

Water Activity goes Digital



HW3 water activity software and HygroLab indicator

*Higher productivity in your laboratory and greater flexibility of use
- at a lower cost per measurement point.*

- AwQuick Mode: accelerated water activity measurement: The average time required to measure a product sample can be reduced to less than a minute by running 4 probes simultaneously.
- Standard Mode: conventional water activity measurement with automatic detection of equilibrium and the option to record / graph the data
- Automatic capture of the end values to a text file to facilitate record keeping. Each record includes product description, probe identification, date and time.
- HygroLab indicator accepts a wide variety of probes to meet every application requirement

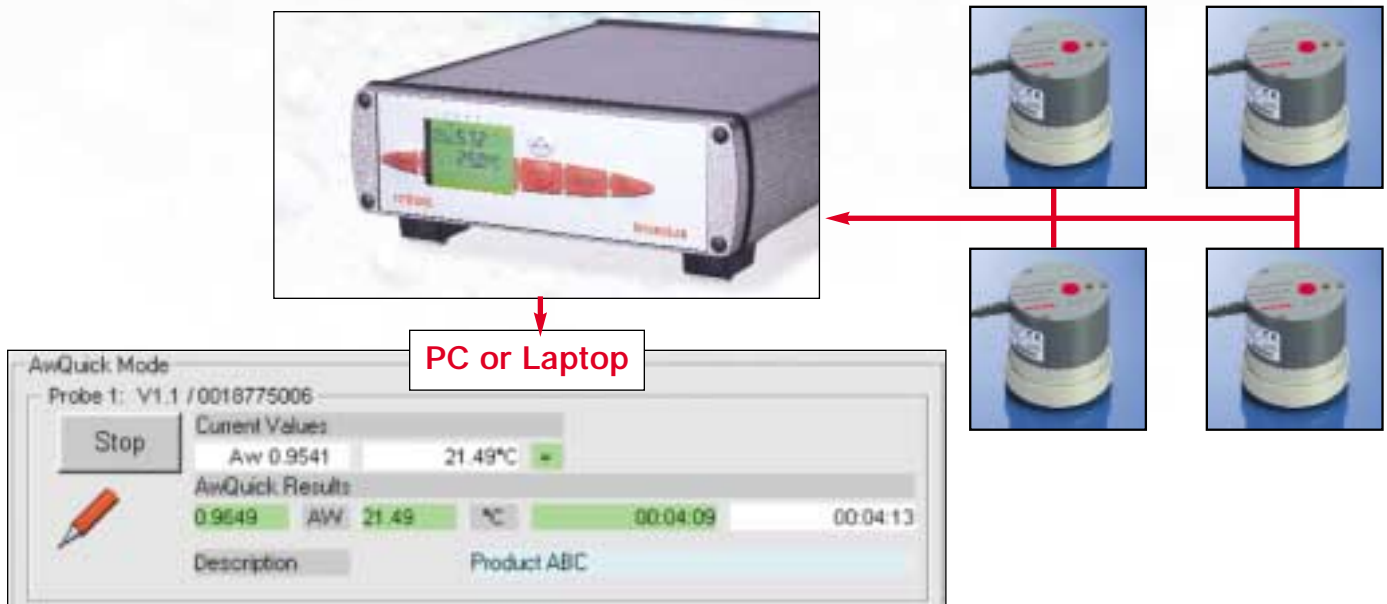
rotronic[®]
LEADING IN HUMIDITY MEASUREMENT

HW3 Software and HygroLab indicator

Ultra fast water activity measurement of up to 4 product samples simultaneously

HW3 is a software package developed by Rotronic. HW3 is shipped on a CD ROM and requires a PC with the Microsoft Windows operating system. Access to the water activity functions of HW3 requires both a HygroLab 2 indicator and a product key (access code) that is sold separately.

Connect up to 4 probes to the HygroLab indicator. Use a standard serial cable to connect the RS232 port of the HygroLab to the COM port of a PC (or laptop). Install the HW3 software on the PC, enter the product key and you are ready to go.

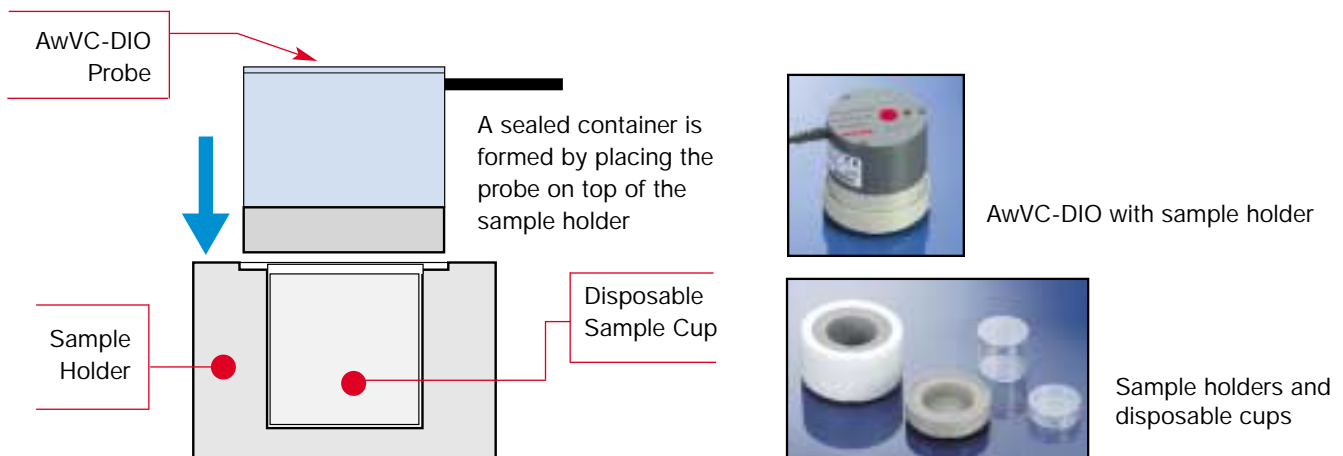


A system that handles every application

The HygroLab indicator accepts several models of Rotronic HygroClip digital probes to address different requirements. All probe models share the following features:

- Durable Rotronic humidity sensor, handles most additives including glycols
- Low maintenance, easy software-based calibration
- Full interchangeability

Measurement of small product samples: use the AwVC-DIO probe together with a large or small sample holder and disposable sample cups.





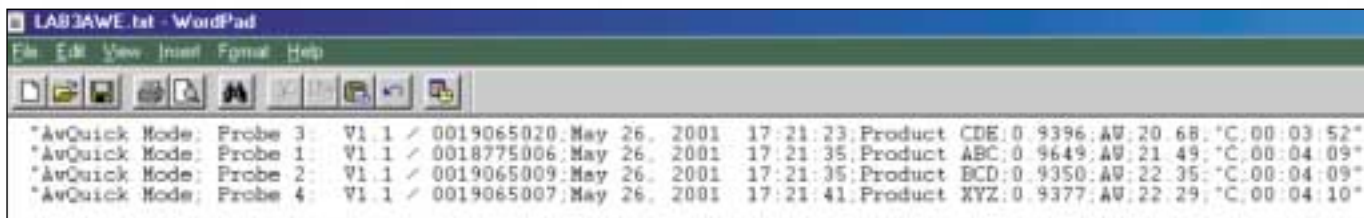
1) Select the measuring mode on the PC. Place a product sample inside the sample holder and put the probe on top of the sample holder. To start the measurement, click with the PC mouse on the Start button corresponding to the probe (the Start button immediately changes to a Stop button). Up to 4 probes can be started at any time.

Efficient and Simple to Use:

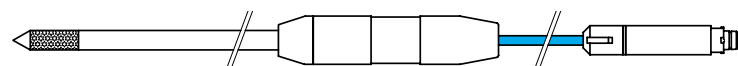
2) When the measurement is ended, the results appear on a green background and the PC beeps once.



The red pen indicator shows that the end results are captured to a text file such as the one below:



HygroClip Optional Probes



Measurement of materials in bulk:

HygroClip HP28 insertion probe

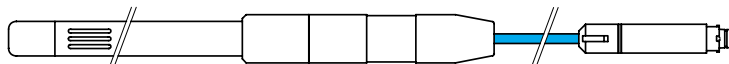
max. 85°C (185°F) - sintered steel filter
tube: 280 (11") x 10mm (0.4") - cable: 2m (6.5ft)



Measurements in tight spaces:

HygroClip SC05 miniature probe

max. 100°C (212°F)
diameter: 5mm (0.2"), cable: 2m (6.5ft)



Measurement of packaging materials:

(stacks/rolls of paper and cardboard)

HygroClip HS28 sword probe

Max. 85°C (185°F)
blade: 280 (11") x 18mm (0.7") x 4mm (0.16")
cable: 2m (6.5ft)



Product Summary & Technical Data



SPECIFICATIONS:

HW3 software requirements

PC	Pentium 233 MHz or better
Operating system	Windows 95/98/Me or NT, 2000
Memory	32 MB or better
Disk space	20 MB free
Drives	CD ROM drive required
Monitor	VGA or super VGA
Resolution	recommended: 1024 x 768, minimum: 800 x 600 (set to small fonts) High Color 16Bit (256 Color minimum)
COM port	One free port (COM 1 - 4)
HW3 Instruction Manual	Requires browser (MSIE or Netscape)

HygroLab 2 Indicator

Probe inputs	4
RS232 / RS485 Interface	Yes (RS485 can be used to network several instruments)
Digital probe calibration	Aw: from 1 to 4 points / temperature: 1 or 2 points probe calibration can also be done with HW3 software
Maximum measuring range	0.000 to 1.000 Aw (0 ..100%RH) and -50...200°C
Operating limits	0..99%RH, -10...60°C
Display type	Liquid crystal
Display resolution	0.001 Aw (0.1 %RH) and 0.1°C
Housing	Aluminum
Power	9V AC adapter, +tip
CE conformity	EMV: EN50081-2 EN/EN50082-2

AwVC-DIO Probe

Sensors	Rotronic Hygromer C94 and Pt100 1/3 DIN
Measuring range	0.000...1.000 Aw 5...50°C
Accuracy at 23°C	±0.015 Aw and ±0.3°C or better
Repeatability	Better than 0.003 Aw / 0.1°C

ORDERING INSTRUCTIONS:

HW3 Set includes:

HW3 software on a CD ROM
HygroLab 2 indicator
AC adapter for the HygroLab (115 VAC / 9VDC)
HW3 software on a CD ROM
RS 232 connecting cable (2m - 6 ft)
1 x Aw VC-DIO probe
1 x PS14 - pk of 100 disposable sample cups 14mm deep
1 x PS40 - pk of 100 disposable sample cups 40mm deep
1 x WP14 sample cup holder for use with 14mm cups
1 x WP40 sample cup holder for use with 40mm cups
EA05 box of 5 certified humidity standards (5%RH - 0.05 Aw)
EA10 box of 5 certified humidity standards (10%RH - 0.10 Aw)
EA35 box of 5 certified humidity standards (35%RH - 0.35 Aw)
EA80 box of 5 certified humidity standards (80%RH - 0.80 Aw)

Additional AWC-DIO Probe Set includes:

1 x Aw VC-DIO probe
1 x PS14 - pk of 100 disposable sample cups 14mm deep
1 x PS40 - pk of 100 disposable sample cups 40mm deep
1 x WP14 sample cup holder for use with 14mm cups
1 x WP40 sample cup holder for use with 40mm cups

For other instrument / probe combinations, please consult Rotronic.

Modifications reserved