novasina
The Art of Precision Measurement

AW LAB Set H

A professional laboratory instrument for precision measurements of a_w values (water activity) in foodstuffs and pharmaceutical products. The laboratory temperature should be maintained at a constant value, since the water activity depends on the temperature for many such products.

This laboratory instrument makes it possible to check a_w values in the research, production, processing, storage of foodstuffs, cosmetics, and very dry pharmaceutical products. The a_w-value or % relative equilibrium humidity can be displayed as required.

Range	:	**0.03 ... 1.00a_w / 3 ... 100%rh** operating temperature range 0…50°C
Sensor	:	enBSK-7 with resistive electrolyte cell
Accuracy	:	**+/- 0.003a_w / 0.3%rh, 0.3°C** when fully calibrated
Calibration	:	automatic at up to 8 points possible between 0.04 and 0.98a_w
Repeatability	:	+/- 0.002a_w / 0.2%rh
Communication	:	RS232 interface, PC-Software, Analog output 0-10V

AW LAB Set H

Precise, fast, flexible

A well-proven laboratory precision instrument for reproducible, precise a_w measurements for all types of foodstuffs, cosmetics, as well as dry pharmaceutical substances.

The instrument and its sensor are robust and have excellent long-term stability. The Novasina electrolyte cell delivers essentially hysteresis-free measurements.

The large, clear, illuminated LC display is very easy to read.

An RS 232 interface is standard for connecting a printer or PC. A PC-Software for Win9x/2000/NT/XP is provided with the instrument. A recorder can also be connected to the 0…10 volt analog output.

Examples of a_w measurements:

- All forms of pastry and baked goods
- Meat and sausages
- Cheese
- Fruit concentrates
- Dried foodstuffs
- Cosmetics
- Medications

Note: *For many products, a constant, sometimes legally prescribed, temperature is required. The most appropriate instrument for such applications is the **AW SPRINT**.!*

Measurement instrument AW LAB Set H:
Surface area : AW LAB 12 x 25 cm
Measurement plate PP 10 x 16 cm
Weight : 2 kg
Power : 115V, oder 230V, 50/60Hz

Humidity sensor:
Resistive electrolyte measurement cell
Range : 0.03...1.00a_w
operating temperature range 0…50°C
Repeatability : +/- 0.002a_w
Accuracy : +/- 0.003a_w
when fully calibrated
Resolution : 0.001a_w

Temperature sensor:
Precise NTC resistance
Range : -20...80°C
Repeatability : +/- 0.1° C
Precision : +/- 0.3° C
Resolution : 0.1°C

Humidity standards:
SAL-T salt tablets:
Saturated pure salt solutions, based on national standards, with the following values are recommended:

6%, 11%, 33%, 53%, 75%, 90%, and 98% rh

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A WMH Company

AW LAB Set H

111 4312 -> 230V/50-60Hz
111 4313 -> 115V/50-60Hz

AW LAB Set H

A robust laboratory instrument for precisely determining the water activity in product samples. It incorporates highly sensitive humidity and temperature sensors, a 0…10 volt scaleable analog output, and an RS232 interface for connection of a PC or printer. It is delivered with a CD including the special software Novalog32 for Win9X/2000/NT/XP.
The instrument is ready to use as delivered, having been calibrated at 5 points in the factory.

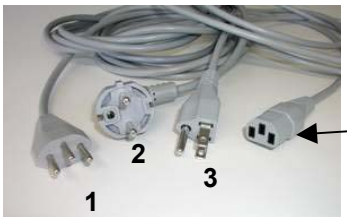
No power supply cable is provided. The appropriate cable (for Switzerland, Europe, USA) should be ordered separately.

Consits of:

Measurement instrument:
AW LAB Set H

- With sensor enBSK-7, cable length: 2m
- SAL-T humidity standards: 5 SAL-T tablets in a case, 11, 33, 53, 75, and 90% rh
- PC-Software Novalog32 for Win9x/2000/NT/XP
  User manual
  Record of the 5 point factory calibration 11-33-53-75-90%

Weight: 1.900kgs



110 8568 Power cable CH : **1**
110 8304 EU/Schuko : **2**
111 1748 USA/Japan : **3**

International power supply cables

For connecting an AW LAB

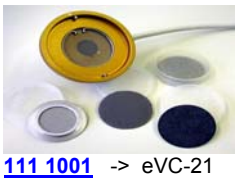
Configured with the standard instrument connector at one end and the locally required power plug at the other.

Please order with the country code and plug type

Power cable:

Cable length : 1.5 m
Weight : 260g

For local power systems with appropriate plugs



111 1001 -> eVC-21
111 1003 -> eVC-26
111 7212 -> Redox
111 0995 -> eVALC
111 0997 -> eVMT-2
111 0999 -> eVMS-2

Cell protection filters

A number of filters are available to protect the measurement cell from abrasion or corrosive vapors.

-> Please consult the appropriate datasheets

Filters for enBSK head:

111 1001 -> eVC-21
111 1003 -> eVC-26
111 7212 -> Redox
111 0995 -> eVALC
111 0997 -> eVMT-2
111 0999 -> eVMS-2

Weight: 30g

111 0601 ePW sample dishes

Sample dishes ePW

For all enBSK measurement chambers

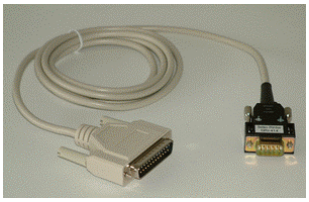
Packet of 100 sample dishes for the sample sensor **enBSK-7.**

These are disposal, intended for a single use with any Novasina aw instrument

A package consists of:
100 sample dishes ePW

Material : Polypropylene

Dimensions: 40mm dia. x 12mm
Weight : 440g



111 7473 Adapter cable

Adapter cable

For Seiko DPU414 printer

For directly connecting a Seiko DPU 414 thermal printer. This makes it possible to control the printer using the printer parameters defined in the LAB menu.

Remark: a printer must be obtained locally

Adapter cable Seiko:

Type : Seiko
Length : 1.8m
Weight : 150g
Connector : D-Sub 25M/9M

111 0958 Epson Adapter

Adapter *for Epson printer*

For connecting an Epson or compatible 9-needle printer via a 1:1 PC standard cable. This makes it possible to control the printer using the printer parameters defined in the LAB menu.

Remark: a printer must be obtained locally

Epson Adapter:

Type : Epson
Connector : D-Sub 25M/25M
Weight : 40g

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