

LabStart-aw

Water Activity Measurement

Ideal for the first step

Inexpensive AW meter for measurements in the low to medium AW range, without already having high demands on accuracy and reproducibility.

Test water activity measurement without having to spend a whole fortune on a measuring device? The LabStart-aw is exactly the right device for this situation. Or even if the demands on accuracy and reproducibility are rather low. Although the device is designed as a „starter“, proven Novasina technology can be found inside, especially the resistive electrolytic sensor.



Meter Specifications

	LabStart-aw
Versions	N/A
Mains connection	5 VDC, +/-6%, max. Power consumption 10W
Power supply	90...264 VAC 50/60 Hz
Display	LC-display, dimensions: 35 x 69mm
Communication	not possible
Housing	> Two-part PC/ABS housing, weight: 1.2kg > Dimensions (L x W x H) = 225x140x85mm
Measuring chamber volume	15mL
Dimensions sample container	diameter 30mm x height 14mm
Protection class	IP22
21CFR 11	not compliant

Measurement Specifications

	parameter	
	Water activity	Temperature
Measuring principle	electrolytic	NTC
Measuring range	0.03...1.00aw	0...30°C (59...86°F)
Adjustment range	0.11...0.75aw	N/A
Resolution	0.01aw	0.1°C
Accuracy	+/-0.03aw within calibration range	+/-0.15°C
Präzision	+/-0.01aw within the adjustment range *	+/-0.1°C
Repeatability	+/-0.01aw within calibration range *	N/A
Temperature control	no temperature control available	
Adjustment point (%rH)	33%, 75%	

scope of application:



Grain

Convenience
productsCoffee
& TeaPowder
& Spices

**LabStart-aw**

- Measuring instrument LabStart-aw
- Euro or US mains adapter
- 1 piece SAL-T 75% rH
- 25 Sample dishes ePW
- Replacement pre-filter white (5 Stk.)
- clamping ring
- Factory calibration certificate
- USB stick with manual

260 0992 LabStart-aw

Accessories**Universal power supply / adapter**

For operating or charging the LabSwift-aw battery.

Attention: Please use the power adapter supplied by Novasina only.

260 0505 power supply unit EU/US

**SAL-T salt standards**

Moisture standards based on saturated salt solutions in plastic tablets, with a moisture-permeable membrane. Each salt is delivered in a well closing can. The SAL-T are available with the following humidity values (at 25°C):

Consult the instruction manual of the instrument to see which points can be calibrated. The other SAL-T can be used for verification.

111 0930 -> SAL-T 11% rF
 111 0932 -> SAL-T 33% rF
 111 0934 -> SAL-T 53% rF
 111 0936 -> SAL-T 75% rF
 111 9886 -> SAL-T 84% rF
 111 0938 -> SAL-T 90% rF

11.3 % (control) 32.8 % („adjustable“)
 52.9 % (control) 75.3 % („adjustable“)
 84.3 % (Control)
 90.1 % (control)

**SAL-T/C salt standards UKAS**

with European recognised certificate

Moisture standards based on saturated salt solutions in plastic tablets, with a moisture-permeable membrane. Each salt is delivered with UKAS certificate, in a well closable container.

Consult the instruction manual of the instrument to see which points can be calibrated. The other SAL-T can be used for verification.

The SAL-T are available with the following humidity values (at 25°C):

111 1056 -> SAL-T/C 11% rF
 111 1057 -> SAL-T/C 33% rF
 111 0060 -> SAL-T/C 53% rF
 111 1063 -> SAL-T/C 75% rF
 260 0276 -> SAL-T/C 84% rF
 111 1065 -> SAL-T/C 90% rF

11.3 %
 32.8 %
 52.9 %
 75.3 %
 84.3 %
 90.1 %

**Chemical protection filters**

to protect the measuring cells

Various filters to protect the sensor against aggressive vapours, alcohols, glycols, etc.

For detailed information on the most suitable filter for your application, please consult the Novasina filter data sheet.

111 1001 -> eVC-21
 111 1003 -> eVC-26
 111 0995 -> eVALC
 111 7212 -> Redox

Spare parts



260 0211 Sealing ring: 1
260 0183 Prefilter white: 2
260 0210 Clamping ring: 3

Spare parts for measuring head LabStart-aw / LabSwift-aw / LabTouch-aw

1 Sealing ring
2 pre-filters white, 5 pcs.
3 Clamping ring for fixing protection filters



260 0995 CM-4 measuring cell

CM-4 measuring cell

Only for LabStart-aw!

Interchangeable intelligent and factory-calibrated measuring cell system based on the unique Novasina „Novalyte“ technology. The built-in active heating system.

Caution: Never touch the front area of the measuring cell with hands or any other object!



260 1584 ePW Dispenser

ePW Dispenser

5 dispensers with 20 pcs. each Disposable sample trays and a holder for the dispensers