

LabSwift-aw

Water Activity Measurement

Once portability is required

The LabSwift-aw with rechargeable battery offers this possibility. The instrument is designed for daily use and for samples in the lower to medium aW range.

Looking for a water activity instrument with local flexibility? Then the LabSwift-aw is exactly what you need. As an option with rechargeable battery, the device can be placed anywhere. Suitable for products such as powder or dried fruits with low to medium aW-values, as the measuring device does not have a temperature stabilisation of the measuring chamber. The proven resistive electrolytic measuring technology of Novasina is also implemented here and guarantees reliable and accurate measurement results.



Meter Specifications

	LabSwift-aw
Versions	With and without battery pack
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	SD/SD _{HC} - card
Housing	> Two-part PC/ABS housing, weight: 1.2kg > Dimensions (L x W x H) = 225x140x85mm
Measuring chamber volume	15mL
Dimensions sample container	Durchmesser 30mm x height 14mm
Protection class	IP22
21CFR 11	partially compliant

Measurement Specifications

	parameter	
	Water activity	Temperature
Measuring principle	Electrolytic	surface IR and NTC
Measuring range	0.030...1.000aw	5...45°C (41...113°F)
Adjustment range	0.110...0.900aw	N/A
Resolution	0.01aw	0.1°C
Accuracy	+/-0.03aw within calibration range	+/-0.15°C
Präzision	+/-0.03aw within the adjustment range*	+/-0.1°C
Repeatability	+/-0.02aw within calibration range*	N/A
Temperature control	no temperature control available	
Adjustment point (%rH)	11%, 33%, 53%, 58%, 75%, 84%, 90%	

scope of application:



Powder & Spices

Coffee & Tea

Baked goods

Pet food

Convenience products

Agri- & Horticulture

Grain

Meat & Fish

LabSwift-aw (without battery)

260 0177 LabSwift-aw (w/o battery)

LabSwift-aw Set

- Measuring instrument LabSwift-aw
- Euro or US mains adapter
- SD card 8 GB
- 3 pieces SAL-T: 11, 58, 84% rH
- 40 sample dishes ePW
- Replacement pre-filter white (5 pcs.)
- clamping ring
- operating instructions
- Factory test certificate

LabSwift-aw (with battery)

2600179 LabSwift-aw w/ battery

LabSwift-aw Set & Battery

- Measuring instrument LabSwift-aw
- rechargeable battery incl. charging electronics
- Euro or US mains adapter
- 3 pieces SAL-T: 11, 58, 84% rH
- SD card 8 GB
- 40 sample dishes ePW
- Replacement pre-filter white (5 pcs.)
- clamping ring
- operating instructions
- Factory test certificate

Accessories

260 0505 Power supply EU/US

Universal power supply / adapter

For operating or charging the LabSwift-aw battery.

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



See price list Calibration

Certification of an aw measuring device

in an accredited European laboratory
 Certification in a UKAS laboratory at at least two humidity points, and possibly also at one or more temperature points






**Special protective filter to protect the measuring cells**

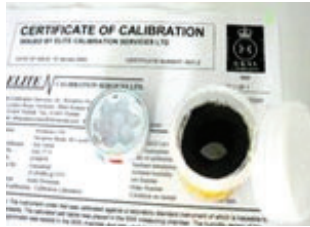
Various filters to protect the sensor against aggressive vapours, alcohols, glycols, etc.

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

 <p>260 0211 Sealing ring: 1 260 0183 Prefilter white: 2 260 0210 Clamping ring: 3</p>	<p>Spare parts for measuring head LabStart-aw / LabSwift-aw / LabTouch-aw</p> <p>1 Sealing ring 2 pre-filters white, 5 pcs. 3 Clamping ring for fixing protection filters</p>
 <p>260 0193 SD card</p>	<p>SD card</p> <p>SD card for saving all measurement data and protocols. The data can be evaluated by spreadsheet programs. Memory: 8GB.</p>
 <p>111 9983 CM-2 Measuring cell</p>	<p>CM-2 Measuring cell</p> <p>Interchangeable intelligent and factory-calibrated measuring cell system based on Novasina „No-valyte“ technology. The active heating prevents condensation on the moisture measuring element.</p> <p>Caution: Never touch the front area of the measuring cell with your hands or any other object!</p>
 <p>260 1584 ePW Dispenser</p>	<p>ePW Dispenser</p> <p>5 dispensers with 20 pcs. each Disposable sample trays and a holder for the dispensers</p>
 <p>111 6453 -> SAL-T 6% RH 111 0930 -> SAL-T 11% RH 260 0960 -> SAL-T 23% RH 111 0932 -> SAL-T 33% RH 260 0961 -> SAL-T 43% RH 111 0934 -> SAL-T 53% RH 260 0189 -> SAL-T 58% RH 111 0936 -> SAL-T 75% RH 111 9886 -> SAL-T 84% RH 111 0938 -> SAL-T 90% RH</p>	<p>SAL-T salt standards</p> <p>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):</p> <p>6.4 % (control) 52.9 % (control) 11.3 % (control) 57.6 % (control) 22.5 % (control) 84.3 % (control) 43.2 % (control) 90.1 % (control) 32.8 % („adjustable“) 75.3 % („adjustable“)</p> <p>Consult the instruction manual of the instrument to see which points can be calibrated. The other SAL-SC can be used for verification.</p>



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.

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

11.3 %	75.3 %
32.8 %	84.3 %
52.9 %	90.1 %
57.6 %	

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

- 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