

LabSwift-aw

Portable water activity measurement device



- Portable , light-weight design supplied with sample cups and calibration standards
- Fast equilibrium times as low as 5 mins , powders, solids or liquids
- Self – adjusting calibration against re-useable salts with optional UKAS certification
- No sample temperature control
- For recommended aW range 0.11 up to 0.85 aW
- We supply 2 x UKAS certified calibration standards with every new instrument.

The **LabSwift-aw** with its ergonomic design offers the possibility for portable measurements thanks to the optional lithium-ion battery. All data of a measurement, including the desired protocols are stored on a SD card and can be transferred to a PC or printer. A special program is available for the analysis of this data. The evaluation can also be done by a spreadsheet using Excel, this assures full quality assurance and traceability of all measurement data. The **LabSwift-aw** excels with speed, high measurement accuracy, reproducibility and robustness. Consequently this system sets new standards for the portable **a_w-value** measurement. Supplied complete with calibration standards and sample cups .

Advantages:

- ✓ Fast and precise aW-measurement thanks to the worldwide unique "Novalyte" measurement technology CM2 sensor
- ✓ High reliability and long term stability of CM2 sensor
- ✓ Easy handling and user-friendly menu structure
- ✓ Ergonomic housing design
- ✓ Portable, and long life battery powered option
- ✓ Large LCD - Display
- ✓ Data logging function with SD card
- ✓ Factory calibration at 6 aW-value points
- ✓ Checking, testing and adjusting possibilities (SAL-T humidity standards)
- ✓ Widely maintenance-free / simple cleaning
- ✓ Outstanding cost-performance ratio
- ✓ Standardised sample volume ePW sample cup

For more than 40 years Novasina has been the leader in the production of precision instruments for water activity measurement in food products as well as drugs, chemical products and cosmetics. Thanks to a longstanding experience in research and development, we are able to offer today reliable, high quality "**Swiss made**" products that set new standards in the water activity measurement.

Specifications LabSwift-aw :

	A_w-value	Sample temperature
Measuring principle:	Resistive - electrolytic	Surface Infrared- measurement + NTC
Accuracy:	+/- 0.010 a _w	+/- 0.3 °C
Range:	0.11 0.85 a _w (11 ...85% rh)	5....45 °C (41.....113°F)
Resolution:	+/- 0.001 a _w	+/- 0.1°C
Accuracy of control:	No temperature control available	
Mains supply:	5 VDC +/- 6% max power requirement : 4 W Lithium ion battery 1700 mAh with protection control & "auto load"	
Power supply:	90....264 VAC, 50 / 60 Hz, output -> 5 VDC	
Display:	Reflective, high contrast LCD - display, dimension: 35x69 mm	
Operating:	3 multi-function keys including On / Off	
Communication:	SD card interface type: SD / SD _{HC} data system: FAT-16 / FAT-32	
Housing:	Two-part PVC design housing, measurement chamber aluminium	
Weight:	1.2 kg	
Dimensions approx:	225 x 140 x 85 mm	
Protection class:	IP 30	
Measuring chamber:	Volume 21.1 ml standardised sample dishes Spring-loaded measurement head (diameter 40 x 12 mm)	
Special feature:	Intelligent "Novalyte" measurement sensor CM-2 with cal point memory	

Accessories + Options

	<i>Article-Nr.</i>
Mobile power supply (battery set)	260 0187
Novalog MC visualisation for PC	260 0188
Replacement sensor CM-2	111 9983
Power supply Euro-plug	260 0181
Power supply US-plug	260 0182
Protection filter eVC-21	111 1001
Protection filter eVC-26	111 1003
Protection filter eVALC	111 0995
Pre-filter white 5 pieces	260 0183
Tension ring	260 0152
ePW sample dishes 100 pieces	111 0601

Humidity Standards

	<i>Article-Nr</i>
Humidity Check SAL-T 11% RH	111 0930
Humidity Check SAL-T 33% RH	111 0932
Humidity Check SAL-T 58% RH	260 0189
Humidity Check SAL-T 75% RH	111 0936
Humidity Check SAL-T 84% RH	111 9886

with UKAS certificate

Humidity Check SAL-T/C 11% RH	1111056
Humidity Check SAL-T/C 33% RH	1111057
Humidity Check SAL-T/C 58% RH	2600190
Humidity Check SAL-T/C 75% RH	1111063
Humidity Check SAL-T/C 84% RH	2600276

**Re-usable calibration standards
with optional UKAS certification**



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