

## LabSwift-aw

Portable water activity measurement device



Novasina is proud to present the newest product for water activity measurement, never before has water activity measurement been so simple and fast. The latest sensor and measurement technology together with an intuitive and simple handling, allows the measurement of the important quality parameter "**a<sub>w</sub>-value**".

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** impresses with speed, high measurement accuracy, reproducibility and robustness. Consequently this system sets new standards for the portable **a<sub>w</sub>-value** measurement.

### Advantages:

- ☑ Fast and precise a<sub>w</sub>-measurement thanks to the worldwide unique "*Novalyte*" measurement technology
- ☑ Highest reliability and long term stability
- ☑ Easy handling and intuitive menu structure
- ☑ Ergonomic housing design
- ☑ Portable, handy and long life battery powered
- ☑ Large LCD - Display
- ☑ Data logging function with SD card
- ☑ Factory calibration at 6 a<sub>w</sub>-value points
- ☑ Checking, testing and adjusting possibilities (SAL-T humidity standards)
- ☑ Widely maintenance-free / simple cleaning
- ☑ Outstanding cost-performance ratio
- ☑ Standardised sample volume

For more than 40 years Novasina is the leader in the production of precision instruments for water activity measurement in foodstuff 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 :**

	<b>A<sub>w</sub>-value</b>	<b>Sample temperature</b>
Measuring principle:	Resistive - electrolytic	Surface Infrared- measurement + NTC
Measuring range:	0.03 ..... 1.00 a <sub>w</sub>	5....45 °C ( 41.....113°F )
Accuracy:	+/- 0.010 a <sub>w</sub>	+/- 0.15 °K
Range:	0.10 ..... 0.95 a <sub>w</sub> (10 ...95% rh)	0..... +50°C
Resolution:	+/- 0.001 a <sub>w</sub>	+/- 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 <sub>HC</sub> 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**

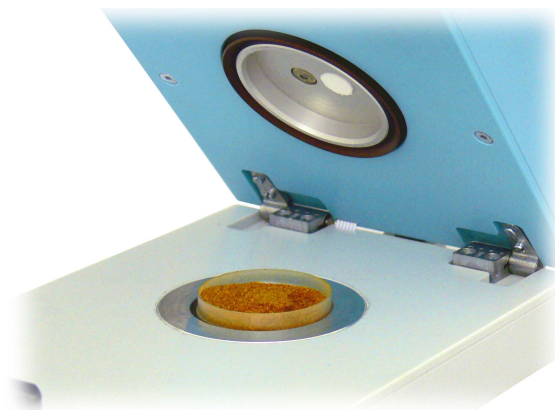
	<i>Article-Nr.</i>
Mobile power supply (battery set)	<b>260 0187</b>
Novalog MC visualisation for PC	<b>260 0188</b>
Replacement sensor CM-2	<b>111 9983</b>
Power supply Euro-plug	<b>260 0181</b>
Power supply US-plug	<b>260 0182</b>
Protection filter eVC-21	<b>111 1001</b>
Protection filter eVC-26	<b>111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

**Humidity Standards**

	<i>Article-Nr</i>
Humidity Check SAL-T 11% RH	<b>111 0930</b>
Humidity Check SAL-T 33% RH	<b>111 0932</b>
Humidity Check SAL-T 58% RH	<b>260 0189</b>
Humidity Check SAL-T 75% RH	<b>111 0936</b>
Humidity Check SAL-T 90% RH	<b>111 0938</b>

**with UKAS certificate :**

Humidity Check SAL-T/C 11% RH	<b>1111056</b>
Humidity Check SAL-T/C 33% RH	<b>1111057</b>
Humidity Check SAL-T/C 58% RH	<b>2600190</b>
Humidity Check SAL-T/C 75% RH	<b>1111063</b>
Humidity Check SAL-T/C 90% RH	<b>111 1065</b>



**Novatron Scientific Ltd,**  
 Novatron House, 46 London Road, Horsham, West Sussex RH12 1AY  
 Tel: +44 (0)1403 754416 Fax: +44 (0)1403 754480  
 email: [sales@novatron.co.uk](mailto:sales@novatron.co.uk) website: [www.novatron.co.uk](http://www.novatron.co.uk)