

# LabTouch-aw

## Water Activity Measurement

Ideal for laboratory and production

Flexible and fast water activity meter with large touch screen. Easy to use, very well suited for AT-Line measurements in production or for the exact determination of AW-values in the QS-Lab.

aW measuring instrument for many samples, regardless of whether liquid, gel-like or solid. With its ergonomic design and touch screen, it makes water activity measurement easier than ever before. A partial temperature regulation as well as integrated sample surface temperature measurement enable accurate and reproducible measurements. Different measuring modes offer the user the possibility to carry out either a fast measurement on the production line or an exact AW determination for quality assurance of the products.



### Meter Specifications

	LabTouch-aw
Versions	BASIC and ADVANCED
mains connections	5 VDC, +/-6%, max. Power consumption 10W
Power supply	90...264 VAC 50/60 Hz
Display	4.3" LC-colour display
Communication	> USB for PC / printer (Advanced) > SD/SD <sub>hc</sub> -card (Basic and Advanced)
Housing	> Two-part PC/ABS housing, weight: 2.8kg > Dimensions (L x W x H) = 200x285x105mm
Measuring chamber volume	15mL
Dimensions sample container	diameter 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...0.970aw	N/A
Resolution	0.01aw	0.1°C
Accuracy	+/-0.05aw within calibration range	+/-0.15°C
Accuracy	+/-0.03aw within the adjustment range*	+/-0.1°C
Repeatability	+/-0.02aw within calibration range*	N/A
Temperature control	Programmable measuring temperature in the range of 15...30°C (59...86°F)*	
Adjustment point (%rH)	11%, 33%, 53%, 58%, 75%, 84%, 90%, 97%	

### scope of application:



## LabTouch-aw „BASIC“



260 0775 LabTouch-aw "BASIC"

### LabTouch-aw „BASIC“

- Measuring instrument LabTouch-aw basic
- Euro or US marks adapter
- SD Memory card 8 GB
- 4 SAL-T: 33, 58, 75, 84% rh
- 40 x ePW sample dishes
- 5 x replacement prefilters white
- clamping ring
- Operating instructions on USB stick
- Factory calibration certificate

## LabTouch-aw „ADVANCED“



260 0776 LabTouch-aw "ADVANCED"

### LabTouch-aw „ADVANCED“

- Measuring instrument LabTouch-aw advanced
- Euro or US marks adapte
- SD Memory card 8 GB
- 4 SAL-T: 33, 58, 75, 84% rh
- 40 ePW sample dishes
- 5 x replacement prefilters white
- clamping ring
- operating instructions on USB stick
- USB / RS 232 interface
- Factory calibration certificate

## Zubehör



260 0505 Power supply EU/US

### Universal power supply / adapter

For operating or charging the LabSwift-aw battery.

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



260 1584 ePW Dispenser

### ePW Dispenser

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



111 6453 -> SAL-T 6% rF  
 111 0930 -> SAL-T 11% rF  
 260 0960 -> SAL-T 23% rF  
 111 0932 -> SAL-T 33% rF  
 260 0961 -> SAL-T 43% rF  
 111 0934 -> SAL-T 53% rF  
 260 0189 -> SAL-T 58% rF  
 111 0936 -> SAL-T 75% rF  
 111 9886 -> SAL-T 84% rF  
 111 0938 -> SAL-T 90% rF  
 111 9887 -> SAL-T 97% rF

### 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 closable container.

The following humidity values are available (at 25°C):

6.4 %	
11.3 %	57.6 %
22.5 %	75.3 %
32.8 %	84.3 %
43.2 %	90.1 %
52.9 %	97.3 %

Consult the instruction manual of the instrument to see which points can be calibrated. The other SAL-T 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  
 260 0190 -> SAL-T/C 58% rF  
 111 1063 -> SAL-T/C 75% rF  
 260 0276 -> SAL-T/C 84% rF  
 111 1065 -> SAL-T/C 90% rF  
 111 9981 -> SAL-T/C 97% rF

### SAL-T/C salt standards

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 closable container

The following humidity values are available (at 25°C):

52.9 %	90.1 %	
11.3 %	57.6 %	84.3 %
32.8 %	75.3 %	97.3 %

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




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

 <p>111 1001 -&gt; eVC-21 111 1003 -&gt; eVC-26 111 0995 -&gt; eVALC 111 7212 -&gt; Redox</p>	<p><b>Special protective filter to protect the measuring cells</b></p> <p>Various filters to protect the sensor against aggressive vapours, alcohols, glycols, etc.</p> <p>For detailed information on the most suitable filter for your application, please consult the Novasina filter data sheet.</p>
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## Ersatzteile

 <p>260 0211 Sealing ring: 1 260 0183 Prefilter white: 2 260 0210 Clamping ring: 3</p>	<p><b>Spare parts for measuring head LabStart-aw / LabSwift-aw / LabTouch-aw</b></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><b>SD card</b></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><b>CM-2 Measuring cell</b></p> <p>Interchangeable intelligent and factory-calibrated measuring cell system based on Novasina „Novalyte“ 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 1615 CM-3 Measuring cell</p>	<p><b>CM-3 Measuring cell</b></p> <p>Interchangeable intelligent and factory-calibrated measuring cell system based on Novasina „Novalyte“ 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>This special sensor won't be affected by alcohol- (ethanol).</p>

## Upgrade Kit

 <p>260 0893 license extension</p>	<p><b>license extension</b> „BASIC“ - „ADVANCED“</p> <p>Activation code for LabTouch-aw. This means that any LabTouch-aw „BASIC“ can be upgraded to a LabTouch-aw „ADVANCED“.</p> <p>Additional functions: Activation of the RS-232 and USB interfaces for Connecting the Novalog MC Software Activation of fast measurement mode Activation of the user password protection USB / RS-232 interface cable 1,8m.</p>
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