

LabTouch-aw

Portable water activity measurement device with sample temperature control



- 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
- Sample temperature control, limited to heating at + 2°C above ambient only
- For recommended range 0.11 up to 0.95 aW
- Touch sensitive screen

The **LabTouch-aw** with its compact and robust design offers the possibility for precision measurements with a semi-temperature controlled chamber. Readings can be as fast as 5 minutes equilibrium time and all the data of a measurement, including the desired protocols, can be 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 **LabTouch-aw** excels with speed, high measurement accuracy, reproducibility and robustness. Consequently, this system sets new standards for **a_w-value** measurement. Supplied complete with calibration standards and epw sample cups

Advantages:

- ✓ Fast and precise aW-measurement thanks to the worldwide unique "Novalyte" measurement technology CM2 sensor
- ✓ Sample temperature control at +2°C above ambient
- ✓ High reliability and long term stability of CM2 sensor cell
- ✓ Touch-screen operation
- ✓ Easy handling and user-friendly menu structure
- ✓ Ergonomic housing design
- ✓ Optional addition of up to 2 extra measuring chambers (LabClick)
- ✓ Large LCD - Display
- ✓ Data logging function with SD card
- ✓ Factory calibration at 7 aW-value points
- ✓ Checking, testing and adjusting possibilities (SAL-T humidity standards)
- ✓ Low maintenance costs / 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 LabTouch -aw :

| | A_w-value | Sample temperature |
|----------------------|--|-------------------------------------|
| Measuring principle: | Resistive - electrolytic | Surface Infrared- measurement + NTC |
| Accuracy: | +/- 0.005 a _w | +/- 0.3 °C |
| Range: | 0.11 0.95 a _w (11 ...92% rh) | 5....45 °C |
| Resolution: | 0.001 a _w | 0.1°C |
| Accuracy of control: | +/- 0.1°C Programmed temperature must be at least 2°C above ambient. | |
| 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: | 4.3" Colour LC-Display | |
| Operating: | Touch Sensitive Screen with easy menu operated functions | |
| Communication: | SD card interface type: SD / SD _{HC} data system: FAT-16 / FAT-32 | |
| Housing: | Two-part PVC design housing, measurement chamber aluminium | |
| Weight: | 2.8 kg | |
| Dimensions approx: | 300 x 200 x 105 mm | |
| Protection class: | IP 22 | |
| 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> |
|---------------------------------|--------------------|
| Novalog MC visualisation for PC | 260 0188 |
| Replacement sensor CM-2 | 111 9983 |
| Power supply universal | 260 0505 |
| 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 0210 |
| ePW sample dishes 100 pieces | 111 0601 |

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



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 |

User-friendly touch-screen menu



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