

## Novasina **LabMASTER-aw Neo**

**The new global standard in water activity:  
Highest precision, best performance & CFR 21 audit trail compliant.  
Fully compliant with ISO 18787: 2017 testing standard.**



**Food  
Hygiene**

**Pharmaceuticals  
Petrochemical**

**Confectionery  
Bakery**

*Please see our website for water activity tutorials: [www.novatron.co.uk](http://www.novatron.co.uk)*

- ✓ Long proven measuring technology with unique **Novasina sensor system**
- ✓ New touch-screen intuitive operation with in-built **operating guide on-screen**
- ✓ Measuring range 0.03 to 1.0 aw and 0 – 60°C with **accuracy 0.003 aw**
- ✓ Quick mode for sample tests in **under 10 minutes**
- ✓ Fully **21 CFR11 compliant** audit trail compliant with data integrity
- ✓ Fully compliant with ISO 18787: 2017 water activity testing standard
- ✓ Resolution 0.0001 aw with stability detection time 0.0003 aw over 1 minute
- ✓ **Re-useable, factory-safe** UKAS calibration salts **with RFID chip for identification**
- ✓ Highly resilient to non-aqueous volatiles used as additives and preservatives
- ✓ **Import/export SD card** and internal memory holding complete user history
- ✓ On site service, calibration, IQ/OQ, fully **ISO9001 and UKAS 17025 accredited company**

## LabMASTER-aw Neo

*High-precision, fast, CFR compliant and easy to use !*

A well-proven laboratory precision instrument for reproducible, precise aw measurements under accurately controlled temperature conditions for all types of food product, cosmetics as well as dry pharmaceutical materials. The **LabMASTER-aw Neo** is the only instrument that enables measurements under precisely controlled chamber temperature conditions, selectable in the following range: 0°C to 60°C, with a precision of 0.2°C

The device and its sensor are very robust and have an excellent long-term stability. The Novasina electrolyte sensor delivers essentially hysteresis-free measurements. The implemented user management systems allows a simple and intuitive operation.

The new large, touch-screen graphic LCDisplay gives a clear overview. The menu software is simple and intuitive.

For a connection to a printer or a PC, an RS-232 or USB interface is built into the device. A PC-Software for Win9x/2000/NT/XP is included in the instrument delivery.

Examples of aw measurement samples:

- **All forms of pastry and baked goods**
- **Meat and sausages**
- **Cheese**
- **Fruit concentrates**
- **Dried foodstuffs**
- **Drugs**
- **Cosmetics**



### LabMASTER-aw Neo instrument:

Size : L = 423, W = 260, H = 186mm  
Weight : 10 kg  
Mains supply: 90V...260V, 50/60Hz,  
wide range power supply

### Humidity sensor:

Electrolyte measurement cell ENS  
Range : 0.03...1.00aw  
in the range of  
0...60°C.  
Repeatability : +/- 0.002aw  
Accuracy : +/- 0.003aw at 25°C  
when fully calibrated  
Resolution : 0.001aw / 0.1°C

### Temperature sensor:

Precise NTC resistor  
Range : -20...80°C  
Repeatability : +/- 0.1°C  
Accuracy : +/- 0.3°C  
Resolution : 0.1°C

### Humidity standards for calibration:

SAL-T salt tablets:  
Saturated pure salt solutions, based on national standards. Novasina recommends the following calibration values:

6%, 11%, 33%, 58%, 75%, 84% and 97% rh

**We supply 2 x UKAS certified calibration standards with every new instrument.**

**Re-useable UKAS certified calibration salts**



**Unique Novasina CM2 precision sensor system; resilient to volatiles, fast response within 10 mins**



**Full on-site service, calibration, validation, IQ/OQ**



**NOVATRON**  
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