



AW SPRINT TH500



A professional laboratory instrument for precision measurements of aw values (water activity) in foodstuffs and pharmaceutical products. The temperature of the measurement chamber may be set in the range 0°C to 50°C, and is kept constant within +/-0.2K.

This is the most widely used instrument for measuring aw values throughout the world. Its advantages are appreciated by research and foodstuff production companies, as well as an increasing number of manufacturers of cosmetics, or of very dry pharmaceutical products.

Measuring range aw:	0.03 ... 1.00aw
Measurement chamber temperature:	selectable 0 ... 50°C, +/- 0.2K
Sensor:	enBSK-7 with electrolyte resistive measurement cell
Accuracy:	+/- 0.003aw, 0.3°C when fully calibrated
Repeatability	+/- 0.002aw
Communication:	RS232 interface, PC software Analog output 0-10V



AW SPRINT TH500

Precise, fast, flexible

A well-proven laboratory precision instrument for reproducible, precise aw measurements under accurately controlled temperature conditions for all types of foodstuffs, cosmetics, as well as dry pharmaceutical materials. The AW SPRINT is the only instrument in the world that enables measurements under precisely controlled chamber temperature conditions in the following range: 0°C to 50°C, with a precision of 0.2K.

The instrument and its sensor are robust and have excellent long-term stability. The Novasina electrolyte sensor delivers essentially hysteresis-free measurements.

The large, clear illuminated LC display is very easy to read.

An RS 232 interface is available for connecting a printer or PC. PC-Software for Win9x/2000/NT/XP is provided with the instrument. A recorder can be connected to the 0...10 volt analog output.

Examples of aw measurements:

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

Measurement instrument AW SPRINT:

Surface area	: 24 x 40 cm
Weight	: 10 kg
Power	: 115V or 230V, 50/60Hz

Humidity sensor:

Electrolyte measurement cell	
Range	: 0.03...1.00aw
Repeatability	: +/- 0.002aw
Accuracy	: +/- 0.003aw when fully calibrated
Resolution	: 0.001aw

Temperature sensor:

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

Humidity standards:

SAL-T salt tablets:
Saturated pure salt solutions, based on national standards, with the following values are recommended:

6%, 11%, 33%, 53%, 75%, 90%,
and 98% rh