

ClimMate-awSet

Water Activity Measurement

Handheld meter for large samples

Hand-held instrument with large sample chamber to measure larger sample quantities or even bulky samples. Can be used in raw material control or in production

In order to be able to measure a reproducible sample, sometimes larger sample quantities are necessary. In this case the ClimMate Set-aw provides the solution. The large sample chamber can also be used to measure larger sample quantities or pieces. However, the chamber has no temperature control and the measuring device has no balance control. As the first AW-measurement value indication this device is very suitable and can also be used as a portable version thanks to the battery power supply.



Meter Specifications

	ClimMate-aw Set
Versionen	N/A
Mains connection	4 x 1.5 VDC Alkaline batteries or adapter 5 VDC
Power supply	90...264 VAC 50/60 Hz
Display	Capacitive TFT, 240 x 320px
Communication	USB for PC connection
Housing	> Plastic housing, Weight: 0.2kg > Dimensions (L x W x H) = 62 x 170 x 34mm
Measuring chamber volume	480mL
Dimensions sample container	diameter 80mm x height 95mm
Protection class	IP54
21CFR 11	not compliant

Measurement Specifications

	parameter	
	Water activity	Temperature
Measuring principle	electrolytic	NTC
Measuring range	0.03...1.00aw	0...50°C (32...122°F)
Adjustment range	0.11...0.90aw	N/A
Resolution	0.01aw	0.1°C
Accuracy	+/-0.02aw within calibration range	+/-0.15°C
Accuracy	+/-0.01aw within the adjustment range*	+/-0.1°C
Repeatability	+/-0.01aw within calibration range *	N/A
Temperature control	no temperature control and no moisture equilibrium detection available	
Adjustment point (%rH)	Only possible with nSoft-CAL: Punkte: 11%, 33%, 53%, 75%, 90%	

scope of application:



Baked goods

Grain

Agri- & Horticulture

Coffee & Tea

Powder & Spices

ClimMate-Set aw



Set ClimMate with nSens-HT rF/T sensing element

- Multi-function measuring device ClimMate
- USB connection cable 1.8m
- nSens cable extension 2m
- Sample beaker for large volumes
- 4x alkaline batteries LR6 AA 1,5V
- nSens-HT-ENS sensor incl. nLink-UMB adapter
- Humidity standards SAL-SC 33% & 75%rh
- Adapter SAL-SC for nSens-HT probes
- Factory test certificates and brief instructions
- Transport case for instrument and sensor
- SmartGraph III software

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Accessories



nSoft-CAL Calibration Set

Windows based software for the calibration and adjustment of nSens probes on the PC. Runs on Windows 98/2000/XP/Vista/Windows 7 & 8. Including Link-USB connection cable, 1.8m length.

260 1094 nSoft-CAL Software



Humidity Generators SAL-SC with factory certificate

Moisture standards based on saturated salt solutions in plastic cylinders, with permeable membrane. Each salt is stored in a well closable container. Sensor Checks SC are available with the following humidity values (at 25°C):

- 6.4 % rH
- 11.3 % rH 75.3 % rH
- 32.8 % rH 84.3 % rH
- 52.9 % rH 90.1 % rH
- 57.6 % rH

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

- 111 0885 -> SAL-SC 11
- 111 0855 -> SAL-SC 33
- 111 0857 -> SAL-SC 53
- 260 0219 -> SAL-SC 58
- 111 0859 -> SAL-SC 75
- 251 8965 -> SAL-SC 84
- 111 0896 -> SAL-SC 90



Humidity Generators SAL-SC with UKAS certificate

Moisture standards based on saturated salt solutions in plastic cylinders, with moisture permeable membrane. Each salt is delivered with UKAS certificate, in a well closable container. Sensor Checks SC are available with the following humidity values (at 25°C):

- 11.3 % rH „with UKAS certificate“
- 32.8 % rH „with UKAS certificate“
- 52.9 % rH „with UKAS certificate“
- 75.3 % rH „with UKAS certificate“
- 84.3 % rH „with UKAS certificate“
- 90.1 % rH „with UKAS certificate“

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

- 111 1044 -> SAL-SC 11 C
- 111 1037 -> SAL-SC 33 C
- 111 1040 -> SAL-SC 53 C
- 111 1035 -> SAL-SC 75 C
- 260 1272 -> SAL-SC 84 C
- 111 1032 -> SAL-SC 90 C

	<p>USB power supply to ClimMate</p> <p>Power supply for external power supply with USB plug Connection for ClimMate. Internal batteries are not discharged USB cable is included in ClimMate Set aw!</p> <table border="0"> <tr> <td>Input :</td> <td>100...260V AC 50/60 Hz</td> </tr> <tr> <td>Output :</td> <td>+5V DC USB 1200mA / 6W</td> </tr> </table>	Input :	100...260V AC 50/60 Hz	Output :	+5V DC USB 1200mA / 6W		
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Output :	+5V DC USB 1200mA / 6W						
260 0872 external USB power supply							
Spare parts							
	<p>Adapter SAL-SC</p> <p>for nSens-xx probes with \varnothing 13mm</p> <p>Plastic adapter for humidity standards as reduction and radial seal on the extent of the respective sensor.</p>						
260 1143 Adapter SAL-SC / nSens							
	<p>nCap-PS protective filter cap</p> <p>Silver oxide coated dust protection filter element</p> <p>For mechanical protection of the sensor and protection against dust.</p> <p>Additional basic chemical protection of the sensor.</p>						
260 1147 nCap-PS filter							
	<p>nSens-HT-ENS probe</p> <p>Digital nSens-HT humidity & temperature sensor with resistive electrolytic humidity and NTC temperature sensor. With nCap-PS protective filter cap.</p> <p>The calibration points are stored directly in the sensor. Calibration and adjustment is carried out with separately available calibration software nSoft-CAL. The sensor is pluggable and can be replaced very quickly and easily.</p>						
260 1171 nSens-HT-ENS							
	<p>Sample beaker</p> <p>For samples with large volumes such as grain, granules, powders etc.</p> <table border="0"> <tr> <td>Dimensions:</td> <td>\varnothing80mm x height 95mm</td> </tr> <tr> <td>Volume:</td> <td>approx. 400 cm³</td> </tr> <tr> <td>Material:</td> <td>Polypropylene</td> </tr> </table> <p>Including screw connection for fastening the nSens-HT-ENS probe.</p>	Dimensions:	\varnothing 80mm x height 95mm	Volume:	approx. 400 cm ³	Material:	Polypropylene
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260 1254 Sample beaker							