Schaller
Messtechnik / humimeter.com

humimeter RH2 water activity meter

Climate precision humidity analyser with data logger for laboratory, climate and environmental applications as well as aw-value measurements

Required accessories: aw-value measuring chamber set art. no. 13700 or aw-value measuring cell set art. no. 14500

Article no. 12005 aw

Applications:

Portable laboratory instrument for determination of water activity (aw value) of food with datalog function. Suitable for measuring materials like butter, fruit mix, spices, granulate, mushrooms, xylit, flour, biscuits or sausage as well as all other food types requiring a check of the water activity value.

Technical data

Relative humidity	measuring range see sensor, resolution 0.1 % RH
Temperature	measuring range see sensor, resolution 0.1 °C
Dew point	-55 to +60 °C, -67 to 140 °F
Absolute air humidity	0 to 130 g/m³, resolution 0.1 g/m³
Equilibrium moisture content wood	2 to 30 %, resolution 0.1 %
Equilibrium moisture content granules	resolution 0.01 %
aw value	0,0 to 1,0, resolution 0.001
Memory function	Online function, Hold function, manual saving of results
Automatic datalog	for 10,000 logs with measuring point report
Dimensions housing	145 x 75 x 30 mm
Weight	210 g (incl. batteries)
Power supply	4 x 1.5 Volt AA Alkaline batteries
Menu languages	English, German, Italian, French, Spanish, Portuguese, Czech, Polish, Russian, International

Scope of delivery

humimeter RH2 with rubber protection cover and batteries

External sensors

article no.	description
13700	Water activity measuring chamber incl. moisture and temperature sensor with 2 meter connection cable - with accessories: 2 pcs. screw-in glass 186 ml, 2 pcs. screw-in glass 245 ml, 4 pcs. Twist-Off lids, calibration ampoule set art. no. 10005, factory calibration certificate art. no. 10403, plastic case art. no. 13624
14919	Water activity measuring chamber incl. moisture and temperature sensor with 2 meter connection cable - without accessories, connection to RH2, measuring range 0 to 1 aw, resolution 0.001, calibration 0.10 to 0.80 +/- 0.01 aw, calibration 0.00 to 0.10 and 0.80 to 0.98 +/- 0.04 aw (at 25 °C), temperature range 0 to + 50 °C, calibration +/- 0.5 °C (at 25 °C), fan-controlled air circulation enables very fast adjustment behavior. incl. factory calibration certificate art. no. 10403
14500	Aluminium water activity measuring cell 25 ml with attachable humidity-temperature sensor with 2 meter connection cable - with accessories: 10 pcs. plastic inserts PP 25 ml for the measuring cell, calibration ampoule set art. no. 10005, factory calibration certificate art. no. 10403, plastic case art. no. 13624
14920	Aluminium water activity measuring cell 25 ml with attachable humidity-temperature sensor with 2 meter connection cable - without accessories, connection to RH2, measuring range 0 to 1 aw, resolution 0.001, calibration 0.10 to 0.80 +/- 0.01 aw, calibration 0.00 to 0.10 and 0.80 to 0.98 +/- 0.04 aw (at 25 °C), temperature range 0 to + 50 °C, calibration +/- 0.5 °C (at 25 °C), Dimensions: 86 mm x Ø 88 mm, the low dead volume results in a very fast adjustment behavior, incl. factory calibration certificate art. no. 10403
14880	Replacement sensor aW-value measuring chamber pluggable with factory calibration certificate. Can be used for aW-value measuring chamber from serial number 20000. Defective sensor can be replaced directly by the spare sensor.
14937	Replacement sensor aW-value measuring cell pluggable with factory calibration certificate. Can be used for all aW-value measuring cells. Defective sensor can be replaced directly by the spare sensor.

Accessories & possible add-ons

article no.	description
12278	humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC
12485	humimeter USB data interface module VERSION FOR RECHARGEABLE BATTERIES with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC
13740	Screw top jar replacement set for water activity measuring chamber article no. 13700: 14 units for a filling quantity of max. 245 ml
13741	Screw top jar replacement set for water activity measuring chamber article no. 13700: 14 units for a filling quantity of max. 186 ml
14952	Spare can set for Aw-value measuring cell - 10 plastic inserts with cap
14126	Plastic cans (PET) with screw top for aw-value measuring chamber article no. 13700: 14 units for a filling quantity of max. 200 ml
14433	Thermo printer with rechargeable battery - portable serial printer for humimeter moisture meters with USB interface
10005	Certified calibration ampoules - set of 5: 2 units with 35 % RH, 1 unit with 50 % RH, 2 units with 80 % RH
11233	Certified calibration ampules - set of 5 units with 35 % r.h.
10352	Certified calibration ampules - set of 5 units with 50 % RH
11235	Certified calibration ampules - set of 5 units with 80 % RH
10403	Factory calibration certificate, adjustment report at delivery for humidity meters