

Climate/Environment



Page 1 - 5

Climate/Environment

Foods



Page 6 - 16



Foods

Bioenergy



Page 17 - 28



Bioenergy

Material



Page 29 - 32



Material

Buildings



Page 33 - 36



Buildings

Paper/Board



Page 37 - 44



Paper/Board

humimeter RH1

Relative humidity meter with datalog

Applications:

A revolutionary powerful portable measuring instrument series with innovative sensor technology for measuring humidity in climatic and environmental applications.

Features:

- Relative air humidity 0 to 100%, resolution 0.1%RH
- Calibration 10 to 90% $\pm 1.5\%$ RH (at 25°C)
- Temperature can be set to °C or °F as required
- Temperature -10 to +60°C / 14 to 140°F, resolution 0.1°C
- Calibration $\pm 0.3^\circ\text{C}$ (at 25°C)
- Dew point -55 to +60°C / -67 to 140°F, resolution 0.1°C
- Absolute air humidity 0 to 130 g/m³, resolution 0.1g/m³
- Equilibrium moisture content UGL 2 to 30%, resolution 0.1%
- Calibration UGL 5 to 15%, accuracy $\pm 0.5\%$ (at 25°C)
- Hold function, manual saving of results
- Automatic data log for 10,000 logs with measuring point report
- customs tariff number: 9025.8040
- Dimension housing: 145 x 63 x 24 mm, weight: ca. 210g (incl. batteries)
- Scope of supply: humimeter RH1 incl. rubber protection cover and batteries

Your benefits:

- Very quick balancing
- Long-time stable humidity and temperature sensors
- Easy data storage at the portable moisture meter
- Optimal documentation of your quality
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 10 units



humimeter RH2

Precise Climate Moisture Analyzer with datalog for laboratory, climatic and environmental applications

Applications:

A revolutionary powerful portable measuring instrument series with innovative sensor technology for measuring humidity in climatic and environmental applications.

Features:

- Measuring range relative humidity: depending on the sensor, resolution 0.1% RH
- Temperature can be set to °C or °F as required
- Measuring range temperature: depending on the sensor, resolution 0.1°C
- Dew point -55 to +60°C / -67 to 140°F, resolution 0.1°C
- Absolute air humidity 0 to 130 g/m³, resolution 0.1g/m³
- Equilibrium moisture content UGL 2 to 30%, resolution 0.1%
- Plastic granulate equilibrium moisture content UGL resolution 0.01%
- Water activity (aw-value) resolution 0.001%
- User programmeable characteristic curves for calculation of equilibrium moisture content
- Online function, Hold function, manual data storage
- Automatic datalog for 10,000 logs with measuring point report
- Supplier's data management
- customs tariff number: 9025.8040
- Dimension housing: 145 x 75 x 30 mm, weight: ca. 210g (incl. batteries)
- Scope of supply: humimeter RH2 with rubber protection cover and batteries
- Required accessories: **sensors article no. 12032, 12514, 12004 or 12168**

Your benefits:

- Measurement of relative humidity, absolute humidity, dew point, equilibrium moisture content, activity of water (Aw) value
- **Selectable sensor types**
- Long-time stable humidity and temperature sensors
- Easy data storage at the portable moisture meter
- Very quick balancing
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



FSA fully automatic whole grain moisture analyser with integrated determination of hectolitre weight and infrared sample temperature measurement

Applications:

calibrated for maize, rye, triticale, wheat, durum wheat, peeled and unpeeled buckwheat, peeled and unpeeled spelt, peeled and unpeeled millet, sorghum millet, barley, oats, rape, soybeans, horse beans, sunflower seeds, pumpkin seeds, rice, poppy seeds, amaranth and linseed. Further products on request, also special products can be calibrated!

Features:

- Measuring range 0 to max. 50% water content depending on the product
- Resolution 0.01%
- hectolitre measurement (kg/hl)
- infrared sample temperature measurement
- temperature can be set to °C or °F as required
- automatic infrared temperature compensation
- measurement within seconds without prior treatment of samples
- 7 inch colour touch display
- integrated online function, integrated printer in a robust housing
- datalog for 1,000,000 logs with measuring point report
- suppliers data management
- Customer-specific calibration for special crops, granulate etc. possible
- Ethernet and USB data interface module with ethernet cable for PC
- customs tariff number 9027.8017
- Dimension 44 x 25 x 41 cm, weight 15 kg
- Scope of supply: FSA, Ethernet and USB data interface module with ethernet cable for PC , integrated printer

Your benefits:

- Menu languages: German, English, Italian, French, Spanish, Portuguese and many others on request
- On request calibration of spezial products by the manufacturer possible
- For all product types and finished products
- Very fast and accurate whole grain measurement
- Determination of hectolitre weight within seconds



humimeter FS4 Universal grain moisture meter

Applications:

Whole grain meter with 300g sample weight and sample temperature measurement for use in farming, trading, seed growing, research, laboratories, food and animal feed industry.

Grain moisture meter for **maize, rye, triticale, wheat, spelt, barley, oats, rape, pumpkin seeds, peas, soybeans, scarlet runner beans, horse beans, sunflower seeds, Jatropha, peeled and unpeeled raw coffee, roast and ground coffee, peeled, unpeeled and brown rice, poppy seeds, sorghum millet, millet**, further species on request

With reference calibration curve and customer calibration function

Features:

- Measuring range 0 to 50% water content, depending on the type
- Resolution 0.1% water content
- Calibration accuracy to reference material: +/-0.4%
- Customer calibration function for special fruits, granulate etc.
- Hectoliter compensated
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Integrated online function for data transfer
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Robust stainless housing
- customs tariff number 9031.8038
- Dimension 260 x 70 x 250 mm, weight ca. 1,3 kg (with batteries)
- Scope of supply: humimeter FS4 with rubber protection cover, humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, digital scale, plastic case, measuring cup and batteries



Your benefits:

- Very fast and accurate due to 300g whole grain measurement
- For all product types and finished products
- On request calibration of special products by the manufacturer possible
- Reduces your drying costs
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

humimeter FS3

Food and luxury food moisture meter

Applications:

Whole grain meter with 300 gram sample weight and sample temperature measurement for producers and businesses in the food industry. **For peeled and unpeeled raw coffee, roast and ground coffee, cocoa beans, poppy seeds, pumpkin seeds, peas, soybeans, scarlet runner beans, wheat, rape, peeled, unpeeled and brown rice, linseed, sesame, millet, sorghum millet and buckwheat.**

Features:

- Measuring range 0 to 40% water content, depending on the type
- Resolution 0.1%
- Calibration accuracy to reference material: +/-0.4%
- Hectoliter compensated
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Hold function, manual saving of results
- Datalog for 10,000 logs with measuring point report
- Supplier's data management
- Robust stainless housing
- Large, well-lit LC display
- customs tariff number 9031.8038
- Dimension 260 x 70 x 250 mm, weight ca. 1.3 kg (with batteries)
- Scope of supply: humimeter FS3 with rubber protection cover, digital scale, plastic case, measuring cup and batteries

Your benefits:

- Very fast and accurate due to 300g whole grain measurement
- For all product types and finished products
- On request calibration of special products by the manufacturer possible
- Reduces your drying costs
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter FS2

Grain moisture meter

Applications:

Whole grain meter with 300g sample weight and sample temperature measurement for use in farming, trading and animal feed industry.

Grain moisture meter **for maize, rye, triticale, wheat, spelt, barley, oats, rape, pumpkin seeds, peas, soybeans, scarlet runner beans, horse beans, Jatropa, sunflower seeds, buckwheat, peeled, unpeeled and brown rice, millet and sorghum millet**. Further speziez on request.

Features:

- Measuring range 5 to 40% water content, depending on the type
- Resolution 0.1%
- Calibration accuracy to reference material: +/-0.4%
- Hectoliter compensated
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Robust stainless housing
- customs tariff number 9031.8038
- Dimension 260 x 70 x 250 mm, weight ca. 1.3 kg (with batteries)
- Scope of supply: humimeter FS2, rubber protection cover digital scale, plastic case, measuring cup and batteries

Your benefits:

- Very fast and accurate due to 300 g whole grain measurement
- For all grain types
- Reduces your drying costs
- Measuring protects against mould and resulting damages
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 5 units



humimeter FS1

Grain moisture meter

Applications:

Whole grain meter with low sample volume and sample temperature measurement for field tests in farming.

Grain moisture meter for **maize, rye, triticale, wheat, barley, oats, rape, soybeans, horse beans, sunflower seeds, millet, sorghum millet, mustard seeds, buckwheat, peeled and unpeeled rice**, further species on request

Features:

- Measuring range 5 to 30% water content, depending on the type
- Resolution 0.1%
- Calibration accuracy to reference material: +/-0.7%
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Hold function
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Robust housing
- customs tariff number 9031.8038
- Dimension 155 x 75 x 90 mm, weight ca. 360 g (with batteries)
- Scope of supply: humimeter FS1 with batteries, digital scale, measuring cup and plastic case

Your benefits:

- Whole grain meter with low sample volume
- For a large number of grain types
- No preparation of samples necessary
- Reduces your drying costs
- Measuring protects against mould and resulting damages
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 10 units



humimeter FS1.1

Grain moisture meter

Applications:

Whole grain meter with low sample volume and sample temperature measurement for field tests in farming.

Grain moisture meter for **maize, rye, triticale, wheat, barley, oats, rape, soybeans, horse beans, sunflower seeds, millet, sorghum millet, mustard seeds, buckwheat, peeled and unpeeled rice.**

Features:

- Measuring range 5 to 25% water content, depending on the type
- Resolution 0.1%
- Calibration accuracy to reference material: +/-0.9%
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Hold function
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Robust housing
- customs tariff number 9031.8038
- Dimension 155 x 75 x 90 mm, weight ca. 360 g (with batteries)
- Scope of supply: humimeter FS1.1 with batteries, digital scale and measuring cup

Your benefits:

- Whole grain meter with low sample volume
- For a large number of grain types
- No preparation of samples necessary
- Reduces your drying costs
- Measuring protects against mould and resulting damages
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 10 units



humimeter FSG

Moisture meter for a quick determination of water content of special products

Applications:

Calibrated for spiral noodles and peanuts, **further calibration curves on request, calibration of special products possible.**

Features:

- Measuring range depending on the type
- Resolution 0.1%
- Sample volume 3.0 litres
- Bulk density compensated by using a scale
- Sample temperature measurement
- Temperature range for measuring: 0 to +50°C
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Hold function
- Manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management
- Robust stainless steel housing
- Large well-lit LC display
- Customs tariff number: 9027.8017
- Dimensions: 23 x 19 x 24 cm , weight: 3 kg
- Scope of supply: humimeter FSG, digital scale 2200g, plastic bucket 3.3 litres and batteries

Your benefits:

- For all product types and finished products
- On request calibration of special products by the manufacturer possible
- Reduces your drying costs
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

NEW



humimeter BLO Online measuring system

Applications:

online measuring system for determination of water content of grain and further materials with adapted external sensors

Features:

- Measuring range: see sensor
- Temperature range for determination of water content: see sensor
- Sample temperature measurement
- Automatic temperature compensation
- Temperature can be set to °C or °F as required
- Datalog for 10,000 logs with measuring point report
- Supplier's data management
- Large, well-lit LC display
- Casing degree of protection IP54
- Sensors adapted specifically to the material
- Power supply: 24VDC (optional 115-230 VAC)
- 2 analogue outputs 4 - 20 mA for water content and temperature
- customs tariff number 9031.8038
- Dimension: 25 x 18.5 x 7.5 cm weight: 1.1 kg



humimeter FL2

Hay and straw moisture meter

Moisture meter for measuring hay and straw, with very stable, fix mounted insertion probe of 0.6 meters length made of stainless steel. With calibration function for special materials.

Features:

- Measuring range 8 to 60% water content, depending on the material
- Resolution 0.1%
- Calibration accuracy to reference material: +/-0.8%
- Automatic temperature compensation
- Temperature measuring range: -20°C to +120°C / -4°F to +248°F
- Temperature can be set to °C or °F as required
- Measurement within seconds
- Hold function, manual saving of results
- Datalog for 10,000 logs with measuring point report
- Supplier's data management
- Large, well-lit LC display
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- customs tariff number 9031.8038
- Dimension 740 x 65 x 40 mm, weight ca. 450g (with batteries)
- Scope of supply: humimeter FL2 with rubber protection cover, humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, compression plate for bulk material, wooden case and batteries



In addition to all functions of the FL1, the FL2 provides:

- Measuring range up to 60% water content
- Automatic averaging
- Compression plate for bulk material
- Online function for data transfer
- Integrated memory and printer connection
- Calibration function for special products (by the manufacturer)
- humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC
- Wooden case

humimeter FL1

Hay and straw moisture meter

Moisture meter for measuring hay and straw, with very stable, fix mounted insertion probe of 0.6 meters length made of stainless steel

Features:

- Measuring range 8 to 40% water content
- Resolution 0.5%
- Calibration accuracy to reference material: +/-1.0%
- Automatic temperature compensation
- Temperature measuring range: -20°C to +85°C / -4°F to +185°F
- Temperature can be set to °C or °F as required
- Measurement within seconds
- Hold function
- Large, well-lit LC display
- customs tariff number 9031.8038
- Dimension 740 x 65 x 40 mm, weight ca. 450g (with batteries)
- Scope of supply: humimeter FL1 with rubber protection cover and batteries



Food/Grain

Your benefits:

- Very easy to operate
- Measurement of moisture and temperature
- Automatic temperature compensation
- A revolutionary powerful moisture measuring instrument series using innovative sensor technology
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 10 units

humimeter FLH

Professional hops moisture meter with datalog

for determination of water content of hops bales, hops equilibrium moisture content, air humidity of kiln and conditioning chamber, long-term recording of temperature and climate data. For connection with the following external sensors: insertion probe for hops, air humidity and temperature sensor, infrared temperature sensor

Features:

- Resolution 0.1% water content
- Measuring range: depending on the sensor
- Operating temperature: 0 to +40 °C / 32 to 104 °F
- Temperature can be set to °C or °F as required
- Measurement within seconds
- Hold function
- Manual saving of results, automatic datalog for 10,000 logs with measuring point report
- Supplier's data management
- Large, well-lit LC display
- Dimension basic unit: 14.5 x 7.5 x 3.0 cm, wight: ca. 266g (incl. batteries)
- customs tariff number 9031.8038
- Scope of supply:: humimeter FLH incl. rubber protection cover and batteries
- **Required accessories:** sensors

Selectable sensors: article no 13158, 12032, 12004 or 12513

Your benefits:

- **Selectable sensor types**
- Long-time stable moisture and temperature sensors
- Simple saving of measuring values on the device
- A revolutionary powerful moisture measuring instrument series using innovative sensor technology
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter BMA

Professional moisture meter for determining the water content of biomass with optional determination of bulk density and bone dry weight (tons/m³)

Applications:

Moisture meter for the professional application for suppliers and operators of biomass heating plants, for a quick and automated measurement of wood chips, barks, wooden pellets, elephant grass, wood shavings, sawdust and maize cobs

Features:

- Measuring range 5 to 70% water content, depending on the material, resolution: 0.1%
- Calibration accuracy to reference material: +/- 1.0%
- Bulk density compensated by integrated scale, 12 liters sample volume
- Temperature can be set to °C or °F as required
- Infrared sample temperature measurement
- Automatic temperature compensation
- Temperature range for measuring: 0-50°C / 32 to 122°F
- Measurement within seconds without prior treatment of samples
- Manual saving of results, datalog for 10,000 logs with measuring point report
- Power supply: 100-240 VAC, large, well-lit LC display, robust housing
- Dimension 432 x 282 x 862 mm, weight ca. 26 kg, customs tariff number 9027.8017
- Scope of supply: humimeter BMA with measuring chamber and power supply unit

Your benefits:

- High measuring range up to 70% water content, depending on the material, bulk density compensation by integrated scale
- **Optional determination of bulk density and bone dry weight (tons/m³)**
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter BM2 Biomass moisture meter

Applications:

Highly accurate moisture meter due to automatic bulk density compensation for the quick determination of water content of wood chips, barks, wooden pellets, elephant grass, wood shavings, sawdust and maize cobs, for suppliers and operators of biomass heating plants

Features:

- Measuring range 5 to 50% (60%) water content, depending on the material
- Resolution 0.5%
- Calibration accuracy to reference material +/- 1.5%
- Bulk density compensated by using a scale
- 13 liters sample volume
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Temperature range for measuring: 0 to +40 °C / 32 to 104 °F
- Measurement within seconds without prior treatment of samples
- Sample temperature measurement
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Large, well-lit LC display, robust stainless housing
- Customer calibration function for special products
- Integrated online function for data transfer
- Supplier's data management
- Dimension 490 x 290 x 300 mm, weight ca. 5.3 kg (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter BM2 with USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, plastic bucket and batteries
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- **Required accessories: digital scale 10,000g**



Scale has to be ordered separately

In addition to all functions of the BM1, the BM2 provides:

Online function for data transfer

Integrated printer connection

Customer calibration function for special products

humimeter USB data interface module with Log-Memorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC

humimeter BM1 Biomass moisture meter

Applications:

Highly accurate moisture meter due to automatic bulk density compensation for the quick determination of water content of wood chips, barks, wooden pellets, elephant grass, wood shavings, sawdust and maize cobs, for suppliers and operators of biomass heating plants

Features:

- Measuring range 5 to 50% (60%) water content, depending on the material
- Resolution 0.5%
- Calibration accuracy to reference material +/- 1.5%
- Bulk density compensated by using a scale
- 13 liters sample volume
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Temperature range for measuring: 0 to +40 °C / 32 to 104°F
- Measurement within seconds without prior treatment of samples
- Sample temperature measurement
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Large, well-lit LC display, robust stainless housing
- Dimension 490 x 290 x 300 mm, weight ca. 5.3 kg (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter BM1, plastic bucket and batteries
- **Required accessories: digital scale 10,000g**



Scale has to be ordered separately

Your benefits:

- Very quick and accurate measurement due to sample volume of 13 liters
- Bulk density compensated by using a scale
- High measuring range up to 60% water content
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

humimeter BL2

Universal biomass water content moisture meter

Applications:

Combined measuring instrument for insertion probe for wood chips, ram electrode for round timber and split logs or special probe. For measuring round timber, split logs, wood chips, sawdust, wooden pellets, shredded olive stones, hay and straw bales.

Features:

- Measuring range: depending on the sensor up to 60% water content (depending on the material)
- Resolution: depending on the sensor
- Automatic temperature compensation
- Temperature measurement range: depending on the sensor
- Temperature can be set to °C or °F as required
- Measurement within seconds
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management, large, well-lit LC display
- Dimension basic device: 14.5 x 7.5 x 3 cm, weight 266g (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter BL2 with rubber protection cover and batteries
- Required accessories: **Selectable measuring probes article no. 12518 or 12520**



Measuring probes have to be ordered separately

Your benefits:

- High measuring range up to 60% water content (depending on the material)
- Different measuring probes for measurements up to a depth of 1 meter available
- Quality control and documentation everywhere on site
- Automatic averaging
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

humimeter BLL Wood chips moisture meter with

Applications:

Moisture meter with insertion probe of 1 meter length for determination of water content of wood chips with datalog.

Features:

- Length of insertion probe: 1 meter
- Measuring range 10% to 50% water content (represents 100% wood moisture), depending on the material
- Resolution 0.5%
- Calibration accuracy to reference material +/- 2.5%
- Sample temperature measurement
- Automatic temperature compensation
- Temperature range for determination of water content 0 to + 40°C / 32 to 104°F
- Temperature measuring range – 10 to + 80°C / 14 to 176°F
- Temperature can be set to °C or °F as required
- Measurement within seconds without prior treatment of samples
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management, large, well-lit LC display
- Dimension 1155 x 75 x 45 mm, weight 830g (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter BLL with rubber protection cover, steel grab bar and batteries



Your benefits:

- Convenient determination of water content and temperature of deeper layers
- The insertion probe is mounted directly at the measuring instrument, so that there is no risk of breaking cables
- Conversion of wood moisture into water content
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 5 units

humimeter WLW Wood moisture meter

Applications:

Ideal instrument for professional applications for sawmills, carpentries and timber construction companies. Due to its high measuring range (up to 150% wood moisture) and its high hammering depth

Features:

- Measuring range 7% to 150% wood moisture, dependent on the wood type
- Resolution 0.1 %
- Automatic temperature compensation
- Temperature can be set to °C or °F as required
- Measurement within seconds without prior treatment of samples
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management, large, well-lit LC display
- Dimension basic device: 14.5 x 7.5 x 3 cm, weight 266g (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter WLW with rubber protection cover and batteries
- Required accessories: measuring probes

Selectable measuring probes: article no. 12846, 12847 or 12630

Your benefits:

- Quality checks and documentation on site
- Automatic averaging
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 5 units



Measuring probes have to be ordered separately

humimeter BLW

Round timber and split logs moisture meter with ram electrode

best in test

Applications:

Ideal for operators of biomass heating plants or suppliers resp. buyers of round timber and split logs for professional billing. Due to its high measuring depth and its high measuring range (up to 60% water content)

Features:

- Measuring range 10 to 60% water content (represents 150% wood moisture), depending on the material
- Resolution 0.1%
- Temperature can be set to °C or °F as required
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Dimensions basic device 147 x 75 x 30mm
Weight (including batteries) 265g
- Weight ram electrode 1500g
- customs tariff number 9031.8038
- Scope of supply: humimeter BLW with rubber protection cover, ram electrode, measuring electrodes, plastic case and batteries



Your benefits:

- High measuring range up to 60% water content, represents 150% wood moisture
- Reduces plant breakdowns
- Quality checks and documentation on site
- Conversion of wood moisture into water content
- Automatic averaging
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

humimeter BP1 Pellets moisture meter

Applications:

Measuring instrument for quality control in manufacturing, temporary storage and reception inspection of wood pellets as well as special pellets (thistle, straw, rape, elephant grass, etc).

Features:

- Measuring range 3 to 20% water content
- Resolution 0.1%
- Calibration accuracy to reference material +/-0.5 %
- Temperature can be set to °C or °F as required
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management
- Automatic temperature compensation
- Large, well-lit LC display
- Measurement within seconds without prior treatment of samples
- Robust stainless housing
- Dimension 260 x 70 x 250 mm, weight ca. 1.3 kg (with batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter BP1 with rubber protection cover, digital scale, plastic case, measuring cup and batteries

Your benefits:

- Measurement within seconds
- Datalog function for measurement values and supplier's data
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter BLO Online measuring system

Applications:

Online analysing device for the determination of water content of wood chips and further materials with adapted external sensors.

Features:

- Measuring range: see sensor
- Temperature range for determination of water content: see sensor
- Sample temperature measurement
- Automatic temperature compensation
- Temperature can be set to °C or °F as required
- Datalog for 10,000 logs with measuring point report
- Supplier's data management, Large, well-lit LC display
- Casing protection class IP54
- Sensors specifically adapted to the sensor
- Power supply: 24VDC
- 2 analogue outputs 4 - 20 mA for water content and temperature
- Dimension: 25 x 18.5 x 7.5 cm, weight: 1.10 kg
- customs tariff number: 9031.8038
- Required accessories: sensor

Selectable sensors: article no. 12122, 12470 or 12477



Sensors have to be ordered separately

Your benefits:

- Simple determination of water content and temperature of your material
- Ready calibrated system (standard sensor)
- Can be extended up to 32 material types in the desired language
- Automatic averaging
- Integrated datalog
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

humimeter LM 6 Portable leather moisture meter

Applications:

Leather moisture meter for the leather industry, for measuring Wet Blue as well as dry leather

Features:

- Measuring range 3% to 65% water content, resolution: 0.1% water content; 0.5°C temperature
- Measuring depth 5mm, operating temperature range: 0 to +40°C / 32 to 104°F
- Automatic temperature compensation, temperature can be set to °C or °F as required
- Measurement within seconds without prior treatment of samples
- Hold function, manual saving of results
- Datalog for 10,000 logs with measuring point report
- Large, well-lit LC display
- Dimension 147 x 75 x 30 mm, weight 265g (incl. batteries)
- customs tariff number 9031.8038
- Scope of supply: humimeter LM6 with rubber protection cover and batteries, wooden case and proof plate

Your benefits:

■ Non-destructive measurement

- High measuring range 3% - 65% water content
- Measurement within seconds
- Fast determination of the average
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack: 10 % special discount for an order of a bulk pack of 5 units



humimeter RM1 recycling material moisture meter

Applications:

Analysing device for wood chips insertion probe for measurement of recycling material, wood chips, scrap wood chips and sawdust

Features analysing device art. no.: 13335

- Operating temperature: 0°C to +50°C / 32 to 122°F
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Automatic temperature compensation
- Large, well-lit LC display
- Dimensions: 150 x 75 x 30 mm, weight: 270g (with batteries)
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Scope of supply: humimeter RM1 analysing device, rubber protection cover and batteries
- **Required accessories: external sensor**



humimeter UNIVERSAL material moisture meter

Applications:

humimeter universal material moisture meter for special materials

Features:

- Measuring range 0% to max. 100%, dependent on the material, resolution: 0.1%, /0.5°C, operating temperature 0 to +40°C / 32 to 104°F
- Calibration of up to 30 different sorts by laboratory analysis (article no. 11217) possible. Calibration function for calibration of new material types possible.
- Automatic temperature compensation, programmable customer calibration curves
- Temperature can be set to °C or °F as required, Hold function, auto datalog and manual saving of results, datalog for 10,000 logs with measuring point report, large, well-lit LC display
- Dimension 182 x 75 x 54 mm, weight ca. 330g (with batteries)
- Scope of supply: humimeter device with rubber protection cover and batteries



humimeter GF2 Building moisture meter

Applications:

Professional building moisture meter

for building moisture, air humidity, indoor climate, dew point, equilibrium moisture content, air and surface temperature as well as long-term recording of climate data, incl. material moisture sensor.

Optionally available external air humidity and infrared temperature sensors, PC software for data archiving and graphic display of climate data

Features:

- Measuring range building moisture: dependent on the material
- Resolution: 0.1% water content
- Measuring range air humidity 0-100% r.h.
- Infrared temperature measurement -25 to +125°C / -13 to 257°F
- Measuring area of infrared sensor: 16 cm diameter at a distance of 1 meter
- Measurement of CO2 up to 5000ppm
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Large, well-lit LC display
- customs tariff number 9031.8038
- Dimensions 147 x 75 x 30 mm, weight 265g (incl. batteries)
- Scope of supply: humimeter GF2 with batteries



External sensors have to be ordered separately

Required accessories: measuring probes, selectable according to individual requirements:

humimeter GE1 concrete and floor screed moisture meter

Applications:

Simple and quick professional concrete and floor screed moisture meter incl. temperature measurement, automatic conversion into CM% and digit calibration curve for special products

Features:

- Measuring range: 0-10% water content
- Resolution: 0.1% water content
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Hold function
- Large, well-lit LC display
- Dimensions 147 x 75 x 30 mm
- Weight 260g (incl. batteries)
- Customs tariff number 9031.8038
- Scope of supply: humimeter GE1 incl. rubber protection cover and batteries

Your benefits:

- **Non-destructive measurement within seconds, without prior treatment of samples**
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter RH5 Paper moisture meter

Applications:

Paper moisture meter for piles of paper. Also ideal for automatically monitoring the climate of printing rooms and paper stockrooms

Features:

- Relative air humidity 0 to 100%, resolution 0.1% rh
- **humimeter RH5: Calibration 10 to 90% $\pm 1.5\%$ rh (at 25°C)**
- **humimeter RH5.1: Calibration 10 to 90% $\pm 2.0\%$ rh (at 25°C)**
- Temperature can be set to °C or °F as required
- Temperature -10 to +60°C / 14 to 140°F, resolution 0.1°C
- Calibration $\pm 0.3^\circ\text{C}$ (at 25°C)
- Dew point -55 to +60°C / -67 to 140°F, resolution 0.1°C
- Hold function, manual saving of results
- Automatic datalog for 10,000 logs with measuring point report, supplier's data management
- customs tariff number 9025.8040
- sword sensor length 30cm, dimension housing: 145 x 63 x 29mm, weight: ca. 260g (incl. batteries)
- Scope of supply: humimeter RH5 with rubber protection cover, wooden case and batteries

Your benefits:

- Quick – cost saving - automatically documented, rapid adjustment
- Easy data storage at the portable moisture meter
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request
- Bulk pack humimeter RH5: 10 % special discount for an order of a bulk pack of 10 units
- Bulk pack humimeter RH5.1: 10 % special discount for an order of a bulk pack of 5 units



humimeter RH6 Paper moisture meter

Applications:

Paper moisture meter for piles of paper. Also ideal for automatically monitoring the climate of printing rooms and paper stockrooms.

Features:

- Relative air humidity 0 to 100%, resolution 0.1% rh
- Calibration 10 to 90% $\pm 1.5\%$ rh (at 25°C)
- Temperature can be set to °C or °F as required
- Temperature -10 to +60°C / 14 to 140°F, resolution 0.1°C,
- Calibration $\pm 0.3^\circ\text{C}$ (at 25°C),
- Dew point -55 to +60°C / -67 to 140°F, resolution 0.1°C
- Absolute air humidity 0 to 130 g/m³, resolution 0.1g/m³
- **Customer calibration function**
- Hold function, manual saving of results, online function
- Automatic datalog for 10,000 logs with measuring point report
- customs tariff number 9025.8040
- sword sensor length 30cm, dimension housing: 145 x 63 x 29mm, weight: ca. 260g (incl. batteries)
- Scope of supply: humimeter RH6 with rubber protection cover, humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, wooden case and batteries



Your benefits:

- **Temperature compensated paper and wood equilibrium moisture content, calibration curves for determination of water content**
- Rapid adjustment
- Easy data storage at the portable moisture meter
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request

In addition to all functions of the RH5, the RH6 provides:

- Absolute air humidity 0 to 130 g/m³, resolution 0.1g/m³
- Temperature compensated paper and wood equilibrium moisture content
- Calibration curves for determination of water content
- Calibration curves for customer calibration
- Incl. humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC

P2 Paper moisture meter

Applications:

Paper moisture meter mainly for **kraft paper, packaging paper and paperboard**

Features:

- Measuring range 3 to 10% water content
- Resolution 0.1%
- Automatic temperature compensation
- Automatic switch-off after approx. 90 seconds or in case of high exceedance of measuring range
- 3-digit LC display
- Dimensions 120 x 60 x 26mm
- Weight approx. 160g
- customs tariff number 9031.8038
- Scope of supply: P2 with battery

Your benefits:

- Simple handling
- Quick and highly accurate measurement using a non-destructive method
- Small, handy, applicable everywhere on site
- Quick and cost saving paper measurement
- High long-term stability and repeat accuracy



humimeter PM3

Paper moisture meter for determination of absolute water content at the roll with high measuring depth

Applications:

For receiving control of paper processors like printing houses, paper retailers and corrugated paper manufacturers.

Measuring instrument with large measuring depth for determining absolute water content at the stagnant, cool paper roll.

Applicable for paper, cardboard and pulp.

Non-destructive measurement through the packaging!

For measurements at the running roll the humimeter PM4 is essential!

Features:

- Measuring range 1% to 25% water content, dependent on the type
- Resolution: 0.1%
- Measuring depth 50mm
- Paper temperature: 0 to +60°C / 32 to 140 °F
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Hold function
- Manual saving of results, auto datalog for 10,000 logs with measuring point report
- Large, well-lit LC display
- customs tariff number 9031.8038
- Dimension: 182 x 75 x 54 mm (incl. rubber protection cover), weight: 330g (incl. batteries)
- Scope of supply: humimeter PM3 with rubber protection cover, plastic case, proof plate and batteries

Your benefits:

- Quick and highly accurate measurement using a non-destructive method
- Simple handling
- Small, handy, applicable everywhere on site
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



humimeter PM4

Paper moisture meter for determination of absolute water content at the roll with high measuring depth

Applications:

For paper manufacturers, with infrared temperature reading for measurements at warm, running paper rolls and receiving control of cooled rolls. Non-destructive measurement through the packaging!

Applicable for paper, cardboard and pulp, with CUSTOMER CALIBRATION FUNCTION.

Features:

- Measuring range 1 to 25% water content
- Resolution 0.1%
- Measuring depth: 50mm
- Contact-free infrared temperature measurement with 90° optics
- Paper temperature for determination of water content: 0 to +80°C / 32 to 176°F
- Infrared temperature measurement -25 to +125°C / -13 to 257 °F
- Automatic temperature compensation
- Temperature can be set to °C or °F as required
- Measurement within seconds without prior treatment of samples
- Hold function
- Manual saving of results, auto datalog for 10,000 logs with measuring point report
- Large, well-lit LC display
- customs tariff number 9031.8038
- Dimension: 182 x 75 x 54 mm (incl. Rubber protection), weight: 330g (incl. batteries)
- Scope of supply: humimeter PM4 with rubber protection cover, humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, plastic case, proof plate, rechargeable batteries

Your benefits:

- Quick and highly accurate measurement using a non-destructive method
- Simple handling, small, handy, applicable everywhere on site
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



In addition to all functions of the PM3, the PM4 provides:

- Infrared paperweb temperature measurement
- humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC
- Rechargeable batteries
- Accurate determination of paper roll temperature
- Higher accuracy of measuring results due to temperature compensation based on infrared temperature measurement

humimeter RP5 recycling paper moisture meter

Applications:

Quick, easy and non-destructive moisture meter for detecting moisture in recycling paper bales.

Features:

- Measuring range 1% to max .50% water content, depending on the material
- Resolution 0.5%
- Paper temperature 0 to +40°C / 32 to 104°F
- Measuring depth: max. 500 mm
- Automatic temperature compensation
- Hold function, manual saving of results for 10,000 logs with measuring point report
- Supplier's data management
- Calibration function for calibrating specific material types resp. compressed densities
- customs tariff number 9031.8038
- Dimension: 620 x 100 x 150 mm, weight: ca. 450g (with batteries)
- Scope of supply: humimeter RP5 with rubber protection cover, humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, factory calibration certificate, wooden case, proof plate, rechargeable batteries

Your benefits:

- Quick - cost-saving - automatically documented
- Rapid adjustment
- Easy data storage at the portable moisture meter
- Menu languages: English, German, Italian, French, Spanish, Russian and many others on request



AP 500 recycling paper moisture meter

Applications:

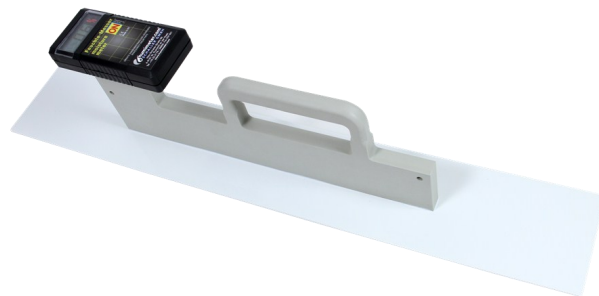
Easy, quick and non-destructive moisture meter for detecting moisture in recycling paper bales.
Suitable for the measurement of pressed piles, rolls and pulp.

Features:

- Measuring range 4% to 50% water content
- Resolution 1%
- Automatic temperature compensation
- Paper selection via 6-step switch
- customs tariff number 9031.8038
- Dimension: 110 x 630 x 150 mm, weight: 840 g
- Scope of supply: AP500 with wooden case and proof plate, factory calibration certificate and 9V battery

Your benefits:

- Quick and accurate measurement using a non-destructive method
- Simple handling
- Handy, applicable everywhere on site



humimeter FS4.2 Universal material moisture meter with customer calibration function

Applications:

Universal material moisture meter with customer calibration function for granulate and powder with defined sample quantity and sample temperature measurement

Features:

- Resolution 0.1%
- Hectoliter compensated
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds
- Hold function, manual saving of results, datalog for 10,000 logs with measuring point report
- Supplier's data management
- Customer calibration function
- Integrated online function
- Robust stainless housing
- With humimeter USB data interface module with LogMemorizer measuring data recording and analysing software on USB flash drive incl. USB cable for PC, digital scale, plastic case, measuring cup and batteries



Your benefits:

- Very accurate measurement due to temperature and bulk density compensated measuring process
- Easy and user-friendly handling
- Online function for data transfer to a PC
- Integrated memory and printer connection
- Menus languages: English, German, Italian, French, Spanish, Russian and many others on request