



Food

## *humimeter* FSG

Measuring device for rapid water content determination of nuts and kernels

Calibrated for peanuts, macadamia nuts, walnuts, almonds, cashew nuts, Brazil nuts and hazelnuts. Other sorts on request



8,0°F | 6,16% | 456kg/m<sup>3</sup> | -27,3td | 0,64aw | 51,9%r.H. | 14,8%abs | 100,4g/m<sup>2</sup> | 09m/s | 4,90Ugl | 163ym | 23,2°C | 78,8°F | 6,21% | 424 kg/

## humimeter FSG

### Nondestructive Nut & Kernel Moisture Meter

Fast measuring device for water content determination of shelled and unshelled, roasted and ground nuts.

Calibrated for following sorts: unshelled and shelled peanuts, roasted peanuts, large unshelled walnuts, shelled, unshelled and ground walnuts, unshelled and shelled macadamia, shelled almonds, unshelled and shelled hazelnuts, shelled brazil nuts, unshelled and shelled cashew nuts, spiral noodles



#### Measuring procedure and handling:

To ensure long-term precise measured values, the humimeter FSG automatically performs a self-calibration after being turned on. Then select the required characteristic curve for the product to be measured on the display and fill the measuring chamber with the indicated material volume. Both water content and temperature can be read immediately from the large lighted display of the humimeter FSG. The nuts will not be damaged during the measurement. The moisture meter determines the average water content of all nuts in the measuring chamber, independent of the nuts' processing state. A digital scale and a filling container for the measuring chamber are included in the delivery.

Using the integrated data logger, it is possible to save measuring results and then add further information such as suppliers' data or charge numbers. The saved values can be transferred to a PC using the USB interface (optional). The „LogMemorizer“ software enables archiving and evaluation of the measurement data.

#### Basics:

- Measuring range 0 to 50% water content (depends on sort)
- Resolution 0,1%
- Operating temperature 0 °C to +50 °C
- Storage temperature -20 °C to +60 °C
- Customer calibration function for special fruits
- Hectoliters compensated
- Sample temperature measurement
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement result within seconds without sample preparation
- Hold function, manual storage for up to 10,000 values with measurement location description
- Integrated online function
- Suppliers memory manager
- Power supply 4 x 1.5 Volt AA alkaline batteries
- Current consumption 60 mA (with display lighting)
- Robust stainless steel housing
- Display 128 x 64 matrix display lighting
- Device dimensions 226 x 165 x 240 mm
- Device weight approx. 3 kg
- Protection class IP 40
- Scope of supply: humimeter FSG, 4 batteries, digital scale 2200 grams, measuring bucket 2.5 liters, user manual
- Optional accessories: humimeter USB data interface module incl. PC software LogMemorizer, portable thermo printer with rechargeable battery (can only be used in conjunction with humimeter USB data interface module)



Climate & Environment



Food



Bioenergy



Material



Buildings



Paper / Board

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Any technical changes reserved. Pictures do not show possible changes that have been made on different models.

A wide range of other instruments and external sensors can be found at [www.grubatec.ch](http://www.grubatec.ch)