

## MOISTURE ANALYSER UX 2011HQD

Rugged and accurate sampling for gypsum and materials with requirements of free and bound moisture. Suitable for laboratory and production application.

A micro processor controlled weight loss dehydration method of moisture analysis offers accurate and efficient results. This process uses infrared drying and continuous weight loss measurement.

**Most** advanced and modern technology combined with more than 50 years of experience are the fundamentals of this development. A microprocessor operated high-tech weighing technology with elegant design and robustness.

**ULTRA X 2011HQD** is equipped with an infrared (light) heater and a quartz (dark) heater to dry out the moisture and the crystal moisture. All pre-selectable parameters are indicated on a LCD-display. The infrared beam intensity of 0...100 % can be adjusted in 1 % steps using the keyboard or a rotary knob for quick adjustment.

**Beside** the moisture 5 further data can be calculated, monitored and displayed (see technical data). The final value of a measurement can be evaluated in two different ways: either by an automatic and product depending stop drying function "KONSTA STOP" or using a built-in timer.



### **Additional features are:**

**Pre-heating** mode "Pre-Flash" for very moist materials.

**Sensitivity adjustment** for the scale depending on the ambient conditions

**Cost savings** through reusable stainless steel bowls.

**Standard** interface V24/RS 232, additional special accessories such as integrated or separate printers.

**Software** to export data to Microsoft Excel® and many more are available.

**The** main development criterias have been:

- **Easy handling**
- **Elegant but also functional design**
- **Practical orientated**
- **Robust execution**

## Technical data for the moisture analyzer type ULTRA X 2011HQ:

WEIGHING RANGE:	520 g
RESOLUTION:	0,001 g
MEASURED VALUES:	% moisture increase of weight in grams % dry mass decrease of weight in grams % moisture ad actual sample weight g solids per kg
TIMER:	Free programmable 0...90 min. in 10 second steps for time depending drying
KONSTA STOP:	Automatic drying until weight is constant. Selectable in 3 different modes: start measuring, measuring in intervals, weight loss/measured during intervals.
HIGH-FLASH:	Automatic, variable pre-heater to shorten the drying time up to 50% depending on the material or to reach the set-point temperature much earlier.
TEMPERATURE:	Selectable either free variable or with 100 steps range approx. 550°C
POWER FROM HEATER:	375 watts (quartz dark heater)
SAMPLE WEIGHT:	Any, minimum 1 g, recommended minimum 4 g
SAMPLE VOLUME:	Max. 95 cm <sup>3</sup>
DRYING BOWL:	Stainless steel, diameter 11 mm
DATA OUTPUT:	Interface V24/RS 232
DATA SIGNALS:	All weight and measuring data in GLP-format with start time and variable interval print out. Selectable date, time, total measuring time, type of sample
POWER SUPPLY:	230 V (115 V with separate transformer) +/- 15%, 48-63 Hz
POWER CONSUMP.:	400 VA
DIMENSIONS:	360 x 280 x 240 (l x w x h) mm
WEIGHT:	Approx. 7,5 kg
SUPPLY:	Reference weight, 2 measuring bowls from stainless steel, pincher for the bowls, lead wire

*Subject to technical changes*

**Additional accessories available for samples, which are adhesive and hardly removable from the drying bowls:**

	Part no.:
Aluminum foils diameter 130 mm x 0,01 mm	1001347
Aluminum foils diameter 130 mm x 0,03 mm	1001390
Foil press to form the aluminum foils	1012300