

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 ³
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