

# UX 2011D Moisture Analyzer

Rugged and accurate sampling for almost all solid and liquid substances. Suitable for laboratory as well as production applications.

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.

**UX 2011D** is equipped with an infrared (light) 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.

**The balancer** measures Moisture Content in %. 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.

**Features:**

- **Easy handling**
- **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®.
- **Elegant but also functional design**

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

<b>WEIGHING RANGE:</b>	Selectable 60 / 120 / 310 g
<b>RESOLUTION:</b>	0,001 g / 0.002 / 0.005 g
<b>MEASURED VALUES:</b>	% Decrease of weight in grams % dry material increase of weight in grams % dry substance actual sample weight gram solids per kg
<b>TIMER:</b>	Free programmable 0...90 min. in 10 second steps for time depending drying
<b>KONSTA STOP:</b>	Automatic drying until weight is constant. Selectable in 3 different modes: start measuring, measuring in intervals, weight loss/measured during intervals.
<b>HIGH-FLASH:</b>	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.
<b>TEMPERATURE:</b>	Selectable either free variable or with 100 steps range approx. 40...180°C with light heater, or up to 360°C with quartz heater
<b>POWER FROM HEATER:</b>	250 watts (infrared light heater) 375 watts (quartz dark heater)
<b>SAMPLE WEIGHT:</b>	Minimum 1 g, recommended minimum 4 g
<b>SAMPLE VOLUME:</b>	Max. 95 cm <sup>3</sup>
<b>DRYING BOWL:</b>	Stainless steel, diameter 110 mm
<b>DATA OUTPUT:</b>	Interface V24/RS 232
<b>DATA SIGNALS:</b>	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
<b>POWER SUPPLY:</b>	230 V (115 V with separate transformer) +/- 15%, 48-63 Hz
<b>POWER CONSUMP.:</b>	275 VA or 400 VA
<b>DIMENSIONS:</b>	360 x 280 x 415 (l x w x h) mm
<b>WEIGHT:</b>	Approx. 8,7 kg
<b>SUPPLY:</b>	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 difficult to remove from the drying pans:**

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