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 fundaments 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:

WEIGHING RANGE:	Selectable 60 / 120 / 310 g
RESOLUTION:	0,001 g / 0.002 / 0.005 g
MEASURED VALUES:	% Decrease of weight in grams % dry material increase of weight in grams % dry substance actual sample weight gram 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. 40...180°C with light heater, or up to 360°C with quartz heater
POWER FROM HEATER:	250 watts (infrared light heater)
SAMPLE WEIGHT:	Minimum 1 g, recommended minimum 4 g
SAMPLE VOLUME:	Max. 95 cm3
DRYING BOWL:	Stainless steel, diameter 110 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.:	275 VA or 400 VA
DIMENSIONS:	360 x 280 x 415 (l x w x h) mm
WEIGHT:	Approx. 8,7 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 difficult to remove from the drying pans:

	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