

Moisture balance series UX 3001 (UX 3011, UX 3031, UX 3081)

ULTRA X moisture analysers are used to quickly measure moisture and dry matter in solid, viscous and fluid substances by means of thermo gravimetric analysis. 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. Short measurement time, gentle and even drying of samples, high reproducibility.

UX 3011

Temperature-controlled infra-red heater 250 W
Temperature range: 40 – 200 °C
Stainless steel drying tray 111 mm diameter

UX 3031

Special device for gypsum industry
2 temperature-controlled heaters for separate measurement of free and chemically bound moisture in gypsum products
Temperature range: 40 – 360 °C
Stainless steel drying tray 111 mm diameter

UX 3081

Special device for large samples, e.g. in the chipboard industry
2 temperature-controlled ceramic heaters
Temperature range: 40 – 220 °C
Stainless steel drying tray 245 x 120 mm
Additional features are:



Exotek Instruments

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84393/28901

Technical data for the moisture analyzer type ULTRA X 3031:

WEIGHING RANGE:	310 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. 40...180°C with light heater, or up to 360°C with quartz heater
POWER FROM HEATER:	250 watts (light heater 40 - 200°C) 375 watts (dark heater 40 - 360°C)
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 to export data to Microsoft Excel®
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 otherwise hardly removable from the drying bowls:

Art. no.:

Aluminum foils diameter 130 mm x 0,03 mm	158
Foil press to form the aluminum foils	402

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