ULTRA X 3011 ULTRA X 3011D Moisture analyser



To determine the moisture content in almost all liquid, solid and paste-like materials.

The principle is: drying with simultaneous

Suitable for use in operations directly in production facilities and laboratories.



Almost 70 years of experience with modern technology forms the basis for the ULTRA X moisture analyser. Precision weighing technology, simple operation, good functionality and design and a robust structure are combined in a practice-oriented manner.

Operating



Weigh the sample, pivot the radiator above it, the measurement starts automatically and ends when the weight is constant. All of the parameters can be changed in the menu using three buttons. The menu is shown in the LC display.

The radiation temperature can be set. In addition to the moisture and solid material, additional measurement parameters can also optionally be displayed. The moisture content can be determined using a timer or the **automatic cut-out**. Three criteria are **individually** set for the automatic cut-out depending on the product properties: query start, weight reduction and query interval.

The measurement result remains on the display until the device is next used.

The reusable stainless steel sample dishes mean an ongoing cost saving.

ULTRA X 3011D moisture analyser

The ULTRA X 3011 can optionally be delivered with or without a **built-in printer**.

The printout of all data is carried out in line with **GLP**. Intermediate values can be printed out at selectable intervals as needed.

All of the data are also output via the serial **RS 232** interface and **USB**. The printer can be switched off.



Technical Data ULTRA X 3011 / ULTRA X 3011D

Balance:

weighing range 210 g
resolution 0.001 g
sample volume max. 95 cm³
drying bowl 110 mm diameter



For Moisture measuring:

sample weight any, recommended minimum 4 g

power of heater 250 watts

automatic automatic drying until weight constant selectable in 3 different modes:

start measuring, measuring in intervals, weight loss/ measured during intervals.

timer 1 - 180 minutes

temperarture selectable from 40 °C up to 180 °C

measured values % moisture

% dry mass

% moisture ad actual sample weight

g solids per kg

measuring accuracy 0.01%

device identification 4-digit ID for identifying the device

menu lock the menu to prevent accidantal changes to drying parameters

cal function is further available.

Communication:

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

with Software ULTRA X DataChannel to transfer on PC as .xls data to Microsoft Excel,

.html date, .xml date and .txt date.

For using:

power supply 230 V 20%/ + 15 %

48 63 Hz

power consump. 275 VA

dimensions approx. I 385 x w 275 x h 420 mm over all

weight approx. 8.5 kg

Accessories: Part no: Using:

stainless-steel drying tray
tray tongs
power cable
1000282
1000282
1000230
for lifting the tray (supplied with the device)
power supply (supplied with the device)
power supply (supplied with the device)

calibtion weight F1 200 g 1000403 for claibrating the balance aluminium foils 130 mm x 0.01 mm 1000016 for lining the drying tray foil press 1000062 for shaping the aluminium foil

Consumables:

paper for printer 58 mm 1000234 for integrated printer

durable 10 years, according to manufacturer

infrared heater 1000130 sparepart

subject to technical modification



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