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.
Weighing range 220g

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.

A & P Instruments GmbH | Im Langel 26 | 59872 Meschede | Germany
+49 (0) 2903 9769930 | info@apinstruments.de | www.apinstruments.net

Technical Data
ULTRA X 3011 / ULTRA X 3011D

Balance:

weighing range	220 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 g residual weight
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. l 385 x w 275 x h 420 mm over all
weight	approx. 8.5 kg

Accessories:	Part no:	Using:
stainless-steel drying tray	1000282	sample tongs (2 sets supplied with the device)
tray tongs	1000230	for lifting the tray (supplied with the device)
power cable	1000190	power supply (supplied with the device)
calibtion weight F1 200 g	1000403	for claibrating the balance
aluminium foils 130 mm x 0.03 mm	1000017	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

A & P Instruments GmbH
Im Langel 26
59872 Meschede
Germany

Phone: +49 (0) 2903 9769930
E-Mail: info@apinstruments.de
Website: www.apinstruments.net