

Moisture Analyser ULTRA X 3011GQD






**For determining the dry matter and the ignition residue.
Drying and ashing in one measuring process.**

**The principle is: drying from 105°C, ashing up to 600 °C
while weighing at the same time.**

NEW

70 years of experience combined with modern technology are the basis of the ULTRA X moisture analyzer. Precision weighing technology, easy operation, good functionality, design and robust construction have been combined in a practical way.

-  **simple >>> no move between different devices,**
-  **fast >>> no loss of time due to cooling in the desiccator,**
-  **safe >>> no sources of error due to intermediate weighing.**

Easy to use

Weigh the sample, swing the heating element over it, and the measurement starts. When the weight is constant, the ashing process starts automatically. This also ends when the weight is constant and the device ends the measurement.

The results of the dry matter determination and the ashing are printed out using the built-in printer.

Intermediate values can be printed out at selectable intervals if required.

All data is also output in accordance with GLP via the USB interface and serially via RS 232.

The printer can be switched off.

The measurement duration for dry matter and ash residue is regulated by the timer or the automatic switch-off. 3 criteria for the automatic switch-off can be individually set according to the product properties: start of query, weight loss and query interval.

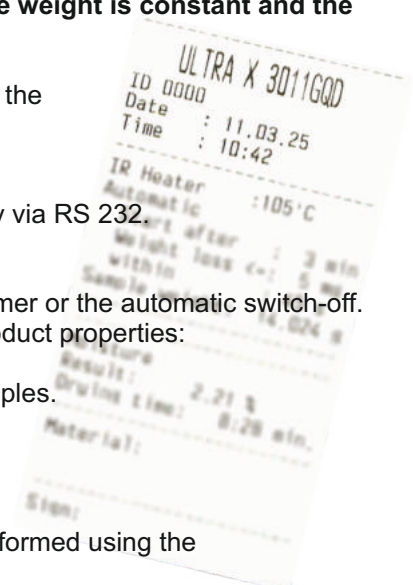
9 memory locations are available for different switch-off criteria for different samples.

All parameters can be changed in the menu using three buttons.

Shortened drying times are possible with the PreFlash function.

The reusable stainless steel sample trays mean ongoing cost savings.

To protect the sample trays, aluminum foil can be used, which can be precisely formed using the ULTRA X foil press.



Technical Data

ULTRA X 3011GQD

Balance:

weighing range	200 g
resolution	0.001 g
sample volume	max. 95 cm ³
drying bowl	110 mm diameter



For Measuring:

sample weight	any, recommended minimum 10 g
power of heater	375 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
temperature	selectable from 105 °C up to 600 °C adjustable
perflash	to shorten the drying time, residual weight and temperature (up to 180°C) adjustable
measured values	% moisture
- drying	% dry matter % moisture ad actual sample weight g solids per kg g residual weight
- ashing	% ash residue % loss on ignition
reading accuracy	0.01%
device identification	4-digit ID for identifying the device
menu lock	to prevent accidental changes to drying parameters, the menu can be locked with a PIN Cal function is further available.

The automatic ashing after drying can be switched off.

Communication:

data output	interfaces USB and 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 DataBridge** to transfer on PC as .xls data to Microsoft Excel,
.txt date,.xml XML,
.csv CSV, .pdf PDF.

For using:

power supply	230 V
frequency	50 Hz
power consump	400 VA
dimensions	approx. l 385 x w 275 x h 240 mm ouver all
weight	approx. 9.0 kg

Accessories include:

	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)
not include		
calibtion weight F1 200 g	1000403	for claibrating the balance
foil press	1000123	for shaping the aluminium foil



Consumables:

paper for printer 58 mm	1000234	for integrated printer, durable 10 years according to manufacturer
aluminium foils 130 mm x 0.03 mm	1000017	for lining the drying tray
quarz heater	1000139	sparepart

subject to technical modification



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