

Basic information

Intended use

ULTRA X moisture analysers are solely designed to quickly measure moisture and dry matter in solid, viscous and fluid substances using thermogravimetric analysis. A sample is weighed while being dried by infra-red heat.

Common features for all ULTRA X devices:

Short measurement time, gentle and even drying of samples, high reproducibility

Automatic or time-controlled measurement shut-off

UX 3081/ 3081WQ

Special device for extra large samples,
e.g. in the chipboard industry
2 temperature-controlled ceramic heaters
Temperature range: 40 – 220 °C/ 300 °C
Stainless steel drying tray 240 x 110 mm



UX 3011/ 3011Q/ 3011HQ

Temperature-controlled infra-red heater 250 W/ 375 W
Temperature range: 40 – 200 °C/ 360 °C/600 °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



Technical data

Scale:

Weight range	400g
Resolution	0.1 g
Sample volume	max. 360 cm ³
Weighing tray	240 x 110 mm



For moisture analysis:

Initial weight	any weight from approx. 5 g, recommended from 10 g
Heater capacity	Ceramic heater 2x 250 watts (3081) 2x 400 watts (3081 WQ)
Automatic shut-off	Automatic drying to a constant weight, using 3 factors for I heaters and Q heaters, which can be set separately: Query start, query interval, weight loss/ query interval
Temperature	Ceramic heater adjustable from 40°C to 180 °C (3081) 105°C to 360 °C (3081QW)
Measuring units	% moisture % dry matter % ATRO moisture g solid matter/ kg
Reading accuracy	0.1% readable

Communication:

Data terminal	V24 RS 232/ USB
Data output	all weight and measuring data meet GLP requirements with a start time, optional variable interval printout, date, time, total measuring time etc.

Using **ULTRA X DataBridge** software can be transmitted to a PC as a
.xls file in Microsoft Excel,
.PDF file.

For operating the device:

Mains connection	230 V 2%/ + 15 %
Mains frequency	48-63 Hz
Power input	250 watts – 850 watts, depending on the model
Dimensions	approx. B 385 x D 275 x H 420 mm
Weight	approx. 9 kg/ 15 kg (3081 model)

Technical data subject to change without notice