

MOISTURE BALANCE AND INCINERATOR

PCE-UX 3011GQD



- » **weighing range: 200 g**
- » **sample weight: min. 10 g**
- » **sample volume: max. 95 cm³**
- » **weighing pan inside: Ø 105 / 115 mm**
- » **adjustable heating temperature: 105 ... 600 °C**
- » **radiator power: 375 W**
- » **time setting: 1 ... 180 min**
- » **PreFlash adjustable up to 180°C**
- » **menu lock**

Our moisture balance and incinerator is a precise device for determining dry matter and ash content in samples. It is suitable for applications in raw material extraction, production, processing, storage, trade, research and recycling. With a maximum sample weight of 200 g and a high resolution of 0.001 g, the moisture balance and incinerator enables exact measurements of the moisture content and the ash residue.

The device works on the principle of drying and incineration with simultaneous weight measurement. During the drying process, the weight loss is continuously recorded and displayed as a percentage of the total mass. Thanks to a heater output of 375 W and an adjustable heating temperature of 105 °C to 600 °C, the moisture balance and incinerator offers quick and flexible drying and incineration of samples. Various parameters are available for measurement evaluation: % moisture, % dry matter, % moisture bd, g residual weight / kg, residual weight, % residue on ignition and % loss on ignition. These measured values allow a detailed analysis and precise determination of the dry matter and ash content.

The moisture balance and incinerator has a customisable automatic power-off function with three individually adjustable criteria: detection start, weight decrease per detection interval and detection interval. These functions ensure flexible control of the drying process.

Specification

Weighing range

Measurement range up to [Max]	200 g
Resolution [d]	0.001 g
Accuracy	0.001 g

General technical data

Measuring functions	% moisture, % dry matter, % moisture bd, % annealing loss, g residual weight / kg, Residual weight, % annealing residue
Display type	LCD with backlight
Display size	4 Inch
Interface	USB, RS232
Heating temperature	105 ... 600 °C
Minimum load [min]	10 g
Menu language	English, German, English (GB)
Protection class (device)	IP20
Power supply	230V AC 50 Hz
Connector type	Schuko plug
Operating conditions	10 ... 40 °C, 0 ... 90 % RH
Storage conditions	10 ... 40 °C, 0 ... 90 % RH
Dimensions (L x W x H x D)	380 x 380 x 330 x 280 mm
Other dimensions	Inner pan size: Ø 105 / 115 mm Inner pan height: 9 mm
Weight	8600 g