MOISTURE ANALYSER BALANCE

PCE-UX 3011Q

» **Weighing range: 220 g**

» **Sample weight: Min. 4 g**

» **Sample volume: Max. 95 cm³**

» **Weighing pan inside: Ø 105 / 115 mm**

» **Adjustable heating temperature: 105 ... 360 °C**

» **Radiator power: 375 W**

» **Time setting: 1 ... 180 min**

» **Menu lock**

Our moisture analyser balance is the special device for temperature-insensitive materials with a maximum drying temperature of up to 360 °C. It is ideal for applications in raw material extraction, production, processing, research and recycling, as well as especially for building materials such as cement, concrete and gravel and the chemical industry, including powders, granulates and pastes. With a maximum sample weight of 220 g and a high measuring resolution of 0.001 g, it enables precise moisture measurement.

The operating principle is based on drying with simultaneous weighing, whereby the weight loss is continuously recorded and displayed as a percentage of the total mass. With an emitter output of 375 W and an adjustable heating temperature of 105 °C to 360 °C, the moisture analyser ensures fast, precise drying, even with challenging materials. Parameters such as % moisture, % dry matter, % moisture ATRO as well as g residual weight / kg and residual weight are available for the measurement evaluation, allowing the sample to be analysed in detail.

An automatic switch-off function stops the drying process automatically when the constant weight is reached. The automatic switch-off can be controlled via three adjustable criteria: Interrogation start, interrogation interval and weight loss per interrogation interval, allowing flexible and precise control of the process. The moisture analyser balance also has a timer that can be set from 1 to 180 minutes.

Specification

Weighing range	
Measurement range up to [Max]	220 g
Resolution [d]	0,001 g
Accuracy	0.001 g

General technical data	
Outputs	V24
Measuring functions	% moisture, % dry matter, % moisture bd, g residual weight / kg, Residual weight
Display type	LCD with backlight
Display size	4 Inch
Interface	USB, RS232
Heating temperature	105 ... 360 °C
Minimum load [min]	4 g
Menu language	English, German, English (GB)
Protection class (device)	IP20
Power supply	230 V AC	48/63 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 280 x 280 mm
Other dimensions	Inner pan size: Ø 105 / 115 mm Inner pan height: 9 mm
Weight	7600 g