MOISTURE BALANCE

PCE-UX 3081



- **weighing range: 400 g**
- **sample weight: min. 20 g**
- **sample volume: max. 360 cm³**
- **weighing pan inside: 230 x 97 mm / 243 x 111 mm**
- **adjustable heating temperature: 40 ... 220 °C**
- **radiator power: 2 x 250 W**
- **time setting: 1 ... 180 min**
- **menu lock**

Our moisture balance has been specially developed for light and bulky materials. It has an exceptionally large drying pan and is suitable for applications in the fields of raw material extraction, production, processing, research and recycling.

With a maximum weighing capacity of 400 g, a volume of 360 cm³ and a high measuring resolution of 0.001 g, the moisture balance enables precise and reliable moisture measurements. The balance works according to the principle of drying with simultaneous weighing: the weight loss is continuously recorded and displayed as a percentage of the total mass. With a heater output of 2 x 250 W and an adjustable heating temperature of 40 °C to 220 °C, the moisture balance offers quick and flexible drying of samples. The device provides various parameters for analysis, including % moisture, % dry matter, % moisture bd as well as g residual weight/kg and residual weight.

The practical functions include an automatic power-off function that stops the drying process when the constant weight is reached. This can be flexibly set to three criteria: sampling start, sampling interval and weight loss per sampling interval. A timer with an adjustable duration of 1 to 180 minutes is also available. A menu lock protects the parameters against unintentional adjustment; the menu can be locked by PIN whereas the CAL menu item remains accessible. The balance offers up to 9 programme memory locations for easy handling of drying profiles.

Specification

Absolute moisture	
Measuring range	0 ... 100 %
Resolution	0,01 %
Accuracy	0.01 %
Weighing range	
Measuring range from	0 g
Measurement range up to [Max]	400 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	40 ... 200 °C
Minimum load [min]	20 g
Dimensions	Inner pan size: 230 x 97 mm / 243 x 111 mm Inner pan height: 17 mm
Menu language	German, English, English (GB)
Protection class (device)	IP20
Power supply	230V 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)	440 x 646 x 240 x 330 mm
Weight	13200 g

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