MOISTURE ANALYSER BALANCE

PCE-UX 3011

- **Weighing range: 220 g**
- **Sample weight: Min. 4 g**
- **Sample volume: Max. 95 cm^3**
- **Weighing pan inside: Ø 105 / 115 mm**
- **Adjustable heating temperature: 40 ... 180 °C**
- **Radiator power: 250 W**
- **PreFlash up to 180 °C**
- **Time setting: 1 ... 180 min**
- **Menu lock**

Our moisture analyser balance is a precise device for determining moisture in liquid and solid materials. It is suitable for various applications in raw material extraction, production, processing, research and recycling. With a maximum sample weight of 220 g and a high measuring resolution of 0.001 g, the moisture analyser balance enables precise moisture measurement.

The scale works on the principle of drying with simultaneous weighing. During drying, the weight loss is continuously recorded and displayed as a percentage of the total mass. With a heater output of 250 W and an adjustable heating temperature of 40 °C to 180 °C, the moisture analyser balance ensures fast and flexible drying of the samples. For measurement evaluation, the device offers various parameters such as % moisture, % dry matter, % moisture ATRO as well as g residual weight / kg and residual weight, which enable the sample to be analysed.

The functions include an automatic switch-off function that stops the drying process when the constant weight is reached. The automatic switch-off can be set to three criteria: start of sampling, sampling interval and weight loss per sampling interval. This allows a high degree of flexibility in controlling the drying process. There is also a timer that can be set from 1 to 180 minutes. Our appliance is also equipped with a menu lock that prevents accidental adjustment of the parameters.

Specification

Absolute moisture	
Measurement range up to	0 ... 100 %
Resolution	0,01 %
Accuracy	0.01 %
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	40 ... 180 °C
Minimum load [min]	4 g
Menu language	English, English (GB), German
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 440 x 280 mm
Other dimensions	Inner pan size: Ø 105 / 115 mm Inner pan height: 9 mm
Weight	7600 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk