MOISTURE 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 Meter is a 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, whereas the weight loss is continuously recorded and displayed as a percentage of the total mass. With a heater output of 375 W and an adjustable heating temperature of 105 °C to 360 °C, the Moisture Meter ensures quick, precise drying, even with challenging materials. Parameters such as % moisture, % dry matter, % moisture bd 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 power-off function stops the drying process automatically when a constant weight is reached. The automatic power-off can be controlled via three adjustable criteria: sampling start, sampling interval and weight loss per sampling interval, allowing flexible and precise control of the process. The Moisture Meter also has a timer that can be set from 1 to 180 minutes.

Specification

Weighing range	
Measuring range from	0 g
Measuring range max.	220 g
Resolution	0,001 g
Accuracy	0.001 g

General technical data	
Outputs	V24
Measuring functions	% Humidity, % dry matter, % humidity ATRO, g Residual weight / kg, Residual weight
Display Typ	LCD with illumination
Display size	4 Inch
Interface	USB, RS232
Heating Temperature	105 ... 360 °C
Minimum load [min]	4 g
Menu language	English (US), German, English (GB)
Protection class (device)	IP20
Power supply	230V AC | 48/63 Hz
Connector type	Earthing contact 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 323 x 280 x 280 mm
Other dimensions	Inner shell size: Ø 105 / 115 mm Inner shell height: 9 mm
Weight	7600 g