MOISTURE BALANCE

PCE-MA 110TS



- **Spirit level for leveling the moisture balance**
- **Memory for 32 drying parameters**
- **5" touch screen for easy operation**
- **RS-232 interface for connection to a PC**
- **Halogen lamp as heating element Ø90 mm / 3.5"**
- **Optionally with ISO calibration certificate**
- **Optionally with PC software**

The moisture balance has a moisture measuring range of 0 ... 100%. The moisture balance is operated via the 5" touchscreen. To determine the moisture content with the moisture balance, a sample is evenly distributed on the sample pan. The sample pan is then placed in the moisture balance and sealed. After setting all parameters, the moisture balance starts the measurement. The accuracy of the moisture scale is ±0.003 g. The moisture balance is therefore a precise measuring device.

The moisture balance determines the moisture content via the measured weight difference, based on the weight before and after drying the sample. The adjustable temperature range for the moisture balance is between 40 ... 165 °C / 104 ... 329 °F . A specific drying temperature can thus be selected for the sample in the moisture balance. The drying temperature is generated by means of a built-in halogen lamp with a diameter of 90 mm / 3.5".

Due to the drying process of the sample, the moisture balance can be used in many areas. Thus, the moisture balance is used in laboratories, for example, to measure the moisture of different powders, in final quality control to determine the moisture of granules or in agriculture or the agricultural sector to determine the moisture content of oats, grain or wheat.

The measured values ⍰⍰can be transferred to a PC and analyzed via the RS-232 Modbus interface on the moisture balance. Suitable software is optionally available for the moisture balance.

Specification

Absolute moisture	
Measuring range	0 ... 100 %
Resolution	0,01 %
Weighing range	
Measuring range from	0 g
Measurement range up to [Max]	110 g
Resolution [d]	0,001 g
Accuracy	0.003 g

General technical data	
Display type	Touch screen
Display size	5 Inch
Storage capacity	32 Values
Interface	RS232
Heating element	Halogen light
Heating temperature	40 ... 165 °C
Dimensions	Halogen lamp: Ø 90 mm
Drying time	1 ... 99 min.
Menu language	Chinese, English, German, Spanish, Italian, Portuguese, Dutch, French, Russian, Polish, Turkish
Protection class (device)	IP20
Power supply	220 ... 240 V AC, 50/60 Hz
Connector type	Cold-device plug
Operating conditions	5 ... 40 °C , 0 ... 85 % RH
Storage conditions	0 ... 50 °C , 0 ... 85 % RH
Dimensions (L x W x H)	370 x 215 x 195 mm
Weight	4500 g