

LTBRA

Equator

PCE Group Europe [®]

www.pce-group-europe.com

DIN EN ISO 9001

Incredible scales

- Measurement ranges: 0 ... 100 % / 100 g & 200 g
- Resolution: 0.01 % / 1 mg (0.001 g)
- Heaters with 2 x 200 Watts
- Multilingual Display (English, French, Spanish...)
- User programmable
- Memory for 160 drying sequences
- RS-232 interface
- Date and time / user identification
- Calibration certificate available (Option)



PCE-MB Series

Moisture Analyzer

Moisture Analyzer Balance PCE-MB Series

The moisture balance is a precision device for the determination of moisture content in small samples of materials by drying the sample with halogen heaters. The moisture analyzer balance is in use as a moisture measurement tool as well as for determination of dryness content. Also it can work as a standard mg-balance. The moisture analyzer uses heaters (2 x 200 Watts) to dry the sample in conjunction with a precision balance to measure the minute changes in weight as the sample dries. The materials to be tested are: food, sugar, salt, granulates, plastics, pellets, fibers, ..., but also liquids as sludge and mixtures of all kinds. So the moisture analyser balance is a multi purpose tool.

The software built into the system provides many different drying programmes and calculates various parameters for humidity and dry mass. A typical drying procedure involves choosing a drying temperature, a time interval - for example 100 degrees for 10 minutes- and a mode - % solids. The integrated RS - 232 - interface enables you (with optional software-kit) to automatically send the moisture data into a sequence table.

Balance model	PCE-MB 100	PCE-MB 200
Maximum capacity	100 g	200 g
Measurement / Weighing ranges	0 ... 100 % Absolute Moisture / Dryness 0 ... 100 g Weight	0 ... 100 % Absolute Moisture / Dryness 0 ... 200 g Weight
Readability	0.01 % / 0.001 g	
Repeatability	0.0015 g	
Linearity	±0.1 g / OIML Class II	
Tare range	Full	
Heating	2 quartz halogen heaters (200 W each)	
Temperature range	+50 °C ... +160 °C in increments of 1 °C	
Stabilisation time	3 ... 5 s	
Time setting / Sampling interval	2 min ... 9 h 59 min (in increments of 1 s)	
Memory / Drying curve	160 (to memorize user programmable drying curves)	
Work mode / Drying sequence	- Automatic (drying to constant weight) - Semi-automatic (drying stops when loss per unit of time goes below theoretical value) - Manual (by preset time)	
Interface	RS-232 bi-directional interface	
Display	Backlit with dual digits 34 mm (multilingual) and capacity tracker	
Calibration	Automatic external calibration with optional weights (100 / 200 g)	
Pan size	Diameter 100 mm	
Operating Temperature	+18 ... +30 °C	
Power supply	230 V / 50 Hz	
Overall dimensions	235 x 245 x 260 mm	
Net weight	ca. 8 kg	

Delivery includes

1 x Moisture Analyzer Balance (Model PCE-MB 100 or PCE-MB 200), 1 x Mains plug, 10 x Aluminium sample pans, User manual (in needed language: English, Russian, Italian, French, Spanish ...)

Optional

- Software incl. RS-232 data cable
- Thermal printer PCE-BP1 incl. data cable
- RS232 / USB adapter
- Aluminium sample pans (diameter: 100 mm)
- DKD calibration certificate
- Calibration weight



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