

Laboratory Balances

Symbols



Internal adjustment (calibration):
Quick accuracy setting of the balance with internal adjusting weight (motor-driven).



External adjustment (programme):
For quick accuracy setting of the balance. External adjusting weight required.



Piece counting:
Reference quantities selectable. Display can be switched from piece count to weight.



Data interface:
RS-232, to connect a printer or PC. The cable is included with the optional printer or software.



Net-total weight:
Weight of tare cup and weight of components stored as two separate values.



Animal weighing programme:
Filters abrupt movements, vibrations or if you weigh animals.



Units:
Measurement units can be selected through the keypad, each scale has a different combination of units to choose from.



Percentage determination:
Displays the deviation from the reference weight (= 100 %) in % instead of grammes.



Weighing with tolerance range:
Upper and lower limiting can be programmed individually e.g. dosing / sorting.



Protection against dust and water:
The degree of protection is specified in the symbol.



Stainless steel:
Stainless steel scale for harsh industrial operating conditions.



Fused aluminium:
Scale with fused aluminium housing, rugged and very stable.



Power:
Rechargeable battery



Mains adaptor:
230 V / 50 Hz, serial, country specific.



Mains part:
Integrated in the scale, 230 V / 50 Hz.



Tare:
Reset displayed value to "0" during weighing process.

PCE-JS 50

Highest resolution and carat switch

- Cover to protect the scale from damage
- Tare for full weighing range
- Overload indicator
- Auto shut-off after 1 minute of inactivity
- Pan Ø 38 mm, scoop, tweezers, bag and control weight included in the delivery (the control weight is only to check the balance)



10 g control weight included (not for calibration)



Technical specifications

Model	Range Max.	Readability d	Repeat-ability	pan size
PCE-JS 50	50 g / 250 ct	0.001 g / 0.01 ct	0.002 g / 0.02 ct	Ø 22 mm
Tara			full range	
Units			g, ct, dwt, oz	
Display			LCD with backlight	
Calibration			with external test weight (50 g)	
Power			3 batteries LR44	
Dimensions			145 x 95 x 40 mm	
Weight			170 g	
Contents			10 g control weight, batteries scoop, tweezers, bag	

Model No.	Description
PCE-JS 50	PCE-JS 50 pocket balance

Optional accessories

CW-F2-50	Calibration weight 50 g, class F2, incl. plastic box
CAL-PCE-JS	Calibration certificate

PCE-DMS 200

Scale for flat surfaces up to 20,000 g/m² and a resolution of 1 g/m²

- Displays in g/m² when a 100 cm² sample is placed on the scale
- Draught shield included
- Conversion from g/m² into g via the keypad
- Powered by 230V mains or batteries
- Auto shut-off
- Large LCD
- Round probe cutter of 100 cm² (optional)



MPC-3
100cm² round mechanical sample cutter for paper and fabric

- Maximum thickness: 5mm
- Cutter dimensions: 100cm²
- Weight: 1700g
- Dimensions: 165mm x 115mm
- 4 blades



Technical specifications

Model	Maximum Range	Readability d	Linearity	Pan size
	g	g	g	mm
PCE-DMS 200	200 g 20,000 g/m ²	0.01 g 1 g/m ²	±0.02	Ø 100
Units			g/m ² , g, oz y oz/m ²	
Display			LCD with backlight	
Calibration			with external test weight (not included)	
Power			mains adaptor or 6 AA batteries	
Dimensions			145 x 210 x 40 mm	
Weight			500g	

Contents
PCE-DMS 200 paper scale, draught shield, mains adaptor and operator's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-DMS 200	Paper scale

Optional accessories

CAL-PCE-BS	ISO certificate
MPC-3	Round sample cutter; for materials up to 5mm thick
MPC-UL	Rubber plates for round sample cutter (10 units)
MPC-EK3	Spare blades for the MPC-3 (50 units)

Serie PCE-MB

Moisture analysis balance with several functions



The PCE-MB moisture analysis balance is ideal for industrial and laboratory applications. The moisture balance is an accurate device for the determination of moisture content in small samples of materials by drying the sample with halogen heaters. The moisture analyser balance is used as a moisture measurement tool as well as determining dryness content. You will find several examples in the user's manual. 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. In general, these units can be used in research, development and quality control. You only need to place a small sample into the balance, close the cover, press the key and read the result (content of moisture or dryness). It can also work as a standard mg-balance. You will be able to determine the moisture of several materials such as granulates, plastics, wood, pharmaceutical substances, tobacco, tea, cereals, etc. The drying process is carried out in only a few minutes depending on the humidity of materials (extreme samplings: residual water / powdered substances).

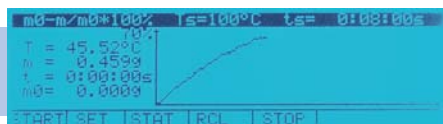
Moisture and dryness control can be carried out in three different ways:

- Automatic: drying to constant weight
- Semi-automatic: drying stops when loss per unit of time goes below theoretical value
- Manual: by preset time (between 2 min and 9 h 59 min)

Moisture analysis balance includes:

- RS-232 interface for data transfer to a PC
- External calibration function
- 230 V mains adaptor

To the right, the image shows the balance open allowing the material to be placed inside for drying. The moisture process begins when you close the cover and press the start button.



Technical specifications

Model	Weight range Max	Readability d	Verification value e g	Minimum load Min g	Repeatability	Weighing plate mm
PCE-MB 50	50 g 0 to 100 % absolute moisture 100 to 0 % dryness weight	0.001 g 0.01 %	-	-	0.001 g 0.02 %	Ø 90
PCE-MB 100	100 g 0 to 100 % absolute moisture 100 to 0 % dryness weight	0.001 g 0.01 %	-	-	0.001 g 0.02 %	Ø 90
PCE-MB 200	200 g 0 to 100 % absolute moisture 100 to 0 % dryness weight	0.001 g 0.01 %	-	-	0.001 g 0.02 %	Ø 90
Tare range	full range					
Heating unit	2 quartz halogen heaters (200 W each)					
Temperature range	+50 to +160 °C					
Sampling interval	2 min to 9 h 59 min (in increments of 1 sec.)					
Work mode / Drying sequence	automatic, semi-automatic, manual					
Drying mode	you can watch it in the screen through a diagram					
Displayed units	humidity [%] / weight loss, dry mass [%] ATRO / residual weight, date and hour					
Memory	160 (to memorize user programmable drying curves)					
Display	Large graphic display with menu in several languages					
Calibration	external calibration (with external calibration weight)					
Interface	RS-232					
Operating temperature	+18 to +30 °C					
Power	230 V / 50 Hz					
Enclosure / Ingress protection	die cast aluminium / IP 54					
Dimensions / Weight	235 x 245 x 260 mm / approx. 8 kg					



Included in the delivery

PCE-MB moisture analysis balance (one of our models), 10 aluminium sample plates, mains adapter and operator's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-MB 50	PCE-MB 50 Moisture analysis balance
PCE-MB 100	PCE-MB 100 Moisture analysis balance
PCE-MB 200	PCE-MB 200 Moisture analysis balance

Optional accessories

CAL-PCE-MB	ISO certificate
PCE-SOFT-MB	Software with RS-232 interface
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
PCE-MB-PS	Aluminium sample plates, Pack of 50 units
PCE-MB-GF	Glass fiber filters, Pack of 100 units
CW-F2-50	Calibration weight of 50 g, class F2, tolerance ± 1.0 mg with plastic box for PCE-MB 50 model
CW-F2-100	Calibration weight of 100 g, class F2, tolerance ± 1.5 mg with plastic box for PCE-MB 100 model
CW-F2-200	Calibration weight of 200 g, class F2, tolerance ± 3.0 mg with plastic box for PCE-MB 200 model



PCE-BP1 printer
(optional)

Laboratory Balances

Serie PCE-BS

Cheap and accurate series of balances with RS-232 interface and a lot of accessories



The PCE-BS series of tabletop balances has a good price/quality relationship. The removable stainless steel weighing pan allows the balance to be cleaned easily. It's accurate to within 0.01g (the PCE-BS 300 model) which makes this an attractive balance. As standard equipment, it comes with a piece counting function (PCE-BS 300 / 3000 models). If the balance is used in a laboratory, it can be powered by the external mains adaptor. In cases where the balance is mainly used as a mobile weighing instrument, it can be powered by AA batteries. All the balances in this series have four adjustable levelling feet for optimal results and a water level to setup the balance on a flat surface. A plastic windshield is also included in the delivery to protect the balance against the influence of wind currents. You can also purchase optional calibration weights for a quick adjustment or check of the tabletop balance. The balance can be sent to us if you require an ISO calibration certificate or a regular recalibration. This can also be done in an accredited laboratory.

- Programme to quickly set the balance accurately using external adjusting weights
- Piece counting function adjustable between 10, 20, 50 or 100 pieces, piece / weight conversion (only for PCE-BS 300 and PCE-BS 3000 models)
- RS-232 interface for connection to a computer or printer
- Tare function in the middle of the range (you can use it repeatedly)
- Automatic display backlight (if the balance is stable, the display will show the stability symbol and the light brightens)
- Several weighing units that you can select through the keypad (g, oz, lb, ozt, ct, gn, for the PCE-BS 3000 and PCE-BS 6000 models / g, kg, lb, oz for the PCE-BS 300 models)
- 230 V serial mains adaptor included
- It can also be powered by batteries
- Removable stainless steel weighing pan (it fits over the plastic pan support)
- ISO calibration certificate is optional (e.g. to meet with DIN ISO 9000)

Plate: Ø 95 mm

Pan: 160 x 135 mm



Technical specifications

Model	Weight range Max	Readability d	Verification value e	Minimum load Min	Repeatability	Linearity	Piece counting weight minimum	Weighing pan
	g	g	g	g	g	g	g	mm
PCE-BS 300	300	0.01	-	-	0.01	±0.03	0.02	Ø 95
PCE-BS 3000	3000	0.1	-	-	0.1	±0.2	0.2	160 x 135
PCE-BS 6000	6000	1	-	-	1	±2	- - -	160 x 135
Tare range	50 % of weighing range							
Response time	3 sec.							
Weight units	g, kg, oz, lb							
Display	15 mm LCD with backlight							
Calibration	automatic (with optional external weight)							
Interface	RS-232							
Operating temperature	+10 to +30 °C							
Power	230V / 50 Hz (12 V adaptor) or 6 AA batteries							
Enclosure	ABS plastic							
Windshield	plastic / 145 x 145 x 120 mm (only for PCE-BS 300)							
Ingress protection	IP 54							
Dimensions	165 x 245 x 70 mm							
Weight	600g							

Contents

PCE-BS balance (one of our models), weighing pan, mains adaptor and user's manual; PCE-BS 300 balance includes a plastic windshield (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-BS 300	PCE-BS 300 Precision balance
PCE-BS 3000	PCE-BS 3000 Precision balance
PCE-BS 6000	PCE-BS 6000 Precision balance

Optional accessories

CAL-PCE-BS	ISO calibration certificate
PCE-SOFT-BS	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
CW-M1-200	Calibration weight of 200 g, class M1, tolerance ±10 mg, with plastic box for PCE-BS 300
CW-M1-2000	Calibration weight of 2000 g, class M1, tolerance ±100 mg, with plastic box for PCE-BS 3000
CW-M2-6000	Calibration weight of 6000 g (1000 g and 5000 g into a box), class M2, tolerance ±1 g, for PCE-BS 6000



PCE-BP1 printer (optional)

Serie PCE-BSH

Up to 10,000 g



The PCE-BSH series balance has a good price/quality relationship. In comparison with the PCE-BT series, this balance possesses a higher weighing range. The PCE-BSH 6000 series is accurate to within 0.1 g and the PCE-BSH 10000 series to within 0.2 g which makes these balances uniquely accurate tools. All the balances from this series have levelling feet and a water level to ensure the unit is level. With optional calibration weights you can adjust the balance whenever you want.

- Programme to quickly set the balance's accuracy. External adjusting weight required
- Piece counting function: reference quantities selectable. Display can be switched from piece (pcs) to weight.
- RS-232 interface for data transfer
- Tare function in the middle of the range (you can use it several times)
- Automatic backlight
- Stability indication
- Selectable weighing units through the keyboard
- Protection against dust and water jet (IP 54)
- 230 V serial adaptor included in the delivery
- Removable stainless steel plate
- It can be powered by batteries
- ISO certificate (optional)

Weighing pan: 170 x 180 mm



Technical specifications

Model	Weight range	Readability	Repeatability	Linearity	Piece counting weight minimum
	Max g	d g	g	g	g
PCE-BSH 6000	6000	0.1	0.1	±0.2	0.3
PCE-BSH 10000	10000	0.2	0.2	±0.4	0.6
Tare range	50 % of weighing range				
Response time	3 sec.				
Units	g, kg, oz, lb				
Display	LCD of 15 mm with backlight				
Calibration	automatic (with external test weight)				
Operating conditions	+10 to +30 °C				
Power	230 V / 50 Hz (12 V adaptor) or 6 AA batteries				
Enclosure	ABS plastic				
Ingress protection	IP 54				
Weighing pan	170 x 180 mm				
Dimensions	180 x 245 x 70 mm				
Weight	680 g				

Contents

PCE-BSH balance (one of our models), weighing plate, mains adaptor and user's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-BSH 6000	PCE-BSH 6000 Precision balance
PCE-BSH 10000	PCE-BSH 10000 Precision balance

Optional accessories

CAL-PCE-BSH	ISO calibration certificate
PCE-SOFT-BSH	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
CW-M1-5K	5000 g calibration weight, class M1, tolerance ±250 mg, for the PCE-BSH 6000 and PCE-BSH 10000

Serie PCE-BT

Balance with high resolution



PCE-BT series precise technical scales are intended for wide use in laboratories, production control, sorting plants, etc. Aesthetic design and easy handling are their primary advantages. Despite their small size and low price, these scales ensure high weighing accuracy required in practice. The scale has numerous special functions: automatic reset, calculation in changed mass units (ct and lb), counting identical pieces, calculation of percentage mass changes, recipe making, remembering entered tare weight. PC interface allows connecting a computer or a printer for printing notes, reports or for for archiving weighing results on the computer.

- Two models are available
- clearly visible LCD
- Percentage determination, displays the deviation from the reference weight
- Tare function
- Piece counting
- RS-232 interface for data transfer
- Powered by battery or mains
- Plastic windshield included in the delivery
- ISO certificate and calibration weight (optional)



Technical specifications

Model	Weight range	Readability	Repeatability	Piece counting weight minimum	Weighing pan
	Max g	d g	g	g	mm
PCE-BT 200	200	0.001	0.001	0.003	Ø 115
PCE-BT 2000	2000	0.01	0.01	0.03	145 x 125
Tare range	full range				
Response time	3 s				
Display	LCD				
Calibration	automatic (with external test weight)				
Operation conditions	+18 to +33 °C				
Power	230 V / 50 Hz (12 V adaptor) or 6 AAA batteries				
Enclosure	ABS plastic				
Ingress protection	IP 54				
Dimensions	75 x 245 x 80 mm				
Weight	1000 g				

Contents

PCE-BT balance (one of our models), weighing plate, plastic windshield, mains adaptor and user's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-BT 200	PCE-BT 200 Precision balance
PCE-BT 2000	PCE-BT 2000 Precision balance

Optional accessories

CAL-PCE-BT	ISO calibration certificate
PCE-SOFT-BT	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
K-CW-F2-200	Calibration weight of 200 g, class F2, tolerance ±3.0 mg
K-CW-F2-2000	Calibration weight of 2000 g, class F2, tolerance ±30 mg

Laboratory Balances

Serie PCE-LSM

High quality, verifiable balance for laboratory applications, three models available



You have no doubt experienced the situation that you have needed a verifiable laboratory balance on occasion. The LSM laboratory balance is suited for these occasions. It has a windshield (for the PCE LSM 200) to protect against exterior elements. The capacity indicator which is on the left side of the display, allows you visualize the available weighing range by way of a graphic band. With this precise balance you are able to weigh and value jewels and precious stones, you will also be able to use it as a classic laboratory balance in production or in research and development.

- Programme to quickly set the balance accurately using external adjusting weights
- Aluminium enclosure with levelling feet and a water level
- Stainless steel weighing plate which can be removed for cleaning
- Weight, net-total weight, doses, piece count
- 18 mm LCD with backlight
- Tare in the full range (you can use it repeatedly)
- Vibration absorption
- RS-232 interface/ Software (optional)
- Ingress protection IP 54 against dust and water jet
- 230 V serial mains adaptor
- ISO certificate (optional) (to meet with DIN ISO 9000 standard)
- Verification in place (through the official organism)



PCE-LSM 6000
Weighing plate: 225 x 165 mm

Technical specifications

Model	Weight range Max g	Readability d g	Verification value e g	Minimum load Min g	Reproducibility g	Linearity g	Piece count weight minimum g	Weighing pan mm
PCE-LSM 200	200	0.001	0.01	0.02	0.001	±0.002	0.006	Ø 120
PCE-LSM 2000	2000	0.01	0.1	0.2	0.01	±0.02	0.06	Ø 150
PCE-LSM 6000	6000	0.5	0.5	25	0.1	±0.2	0.6	225 x 165
Tare range	full range							
Response time	5 sec.							
Units	g, kg, %							
Display	18 mm LCD with backlight							
Interface	RS-232							
Calibration	automatic (with external test weight)							
Operating temperature	+18 to +33 °C							
Power	230 V/ 50 Hz (12 V mains adaptor)							
Enclosure	die cast aluminium							
Windshield	included in the PCE-LSM 200 and PCE-LSM 2000 models (Ø 130 x 60 mm or Ø 160 x 60 mm)							
Ingress protection	IP 54							
Dimensions	240 x 275 x 90 mm							
Weight	4 kg							

Contents

PCE-LSM laboratory balance (one of our models), weighing plate, mains adaptor and user's manual; PCE-LSM 200 and PCE-LSM 2000 models with windshield (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-LSM 200	PCE-LSM 200 Laboratory balance
PCE-LSM 2000	PCE-LSM 2000 Laboratory balance
PCE-LSM 6000	PCE-LSM 6000 Laboratory balance

Optional accessories

VER-PCE-LSM	M class II Legal for trade verification
CAL-PCE-LSM	ISO certificate
PCE-LSM-TOL	Option: Balance with weight tolerance function, with acoustic signal to reset the upper or lower value limits that can be established independently (an installation of these option isn't possible later)
PCE-SOFT-LSM	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
PCE-AB-DB	Density determination kit (only for PCE-LSM 200)
CW-F2-200	200 g calibration weight, class F2, tolerance ±3.0 mg, plastic box for the PCE-LSM 200 model
CW-F2-2000	2000 g calibration weight, class F2, tolerance ±30 mg, plastic box for the PCE-LSM 2000 and PCE-LSM 6000 models



PCE-BP1 printer
(optional)

Serie PCE-LS

Verifiable laboratory balance



The LS series balance is an attractive product due to its high accuracy, its multiple functions and its low price. It is an exceptional instrument. Its well designed die cast aluminium enclosure provides durability. The graphic display with capacity indicator allows the results to be read easily. With the help of optional software you will be able to transfer data to a computer. If your computer only has a USB interface, you can request an optional RS-232 to USB adaptor. All LS models can be calibrated / adjusted automatically at the touch of a key, or can measure at a pre-set time, or triggered by temperature changes. Without the need to handle expensive external weights, these functions support integration in quality management systems. You can also verify your balance by an official authority. Other accessories like a density determination set make this balance valuable.

- Piece counting for the PCE-LS model: user can select number of reference pieces, display can be switched from piece to weight
- Programme to quickly adjust settings if there are some oscillations of ± 1 °C or after an period of time. This adjustment is made using an internal adjusting weight (motor-driven)
- Date and time adjustment (user password can be entered)
- RS-232 interface for PC. It allows you connect the balance to a PC
- Capacity indicator: the display with backlight shows available ranges
- Die cast aluminium enclosure guarantees high stability
- Water level to properly setup the balance
- IP 54 protection against dust and water jet
- Calibration certificate (optional) (e.g. to meet DIN ISO 9000 standard)
- Verifiable (through the regulating body)



PCE-LS 500
Weighing plate: Ø 120 mm

PCE-LS 1000 & PCE-LS 3000
Plate: 165 x 165 mm

Technical specifications

Model	Weight range Max g	Readability d g	Verification value e g	Minimum load Min g	Repeatability g	Linearity g	Piece count weight minimum g	Weighing plate mm
PCE-LS 500	500	0.001	0.01	0.02	0.0015	± 0.002	0.006	Ø 120
PCE-LS 1000	1000	0.01	0.1	0.5	0.015	± 0.03	0.06	165 x 165
PCE-LS 3000	3000	0.01	0.1	0.5	0.015	± 0.03	0.06	165 x 165
Tare range	full range							
Response time	< 5 sec.							
Units	g, kg, lb							
Display	graphic LCD with backlight, capacity display							
Calibration	- internal calibration (with internal, motor driven, calibration weight) - external calibration (using optional external calibration weights)							
Interface	RS-232							
Piece counting	yes, selectable reference quantities							
Vibration absorption	internal vibration dampening							
Operating temperature	+18 to +30 °C							
Power	230 V / 50 Hz (12 V adaptor)							
Enclosure	die cast aluminium							
Ingress protection	IP 54							
Dimensions	210 x 320 x 90 mm							
Weight	approx. 5 kg							



Contents

PCE-LS laboratory balance (one of our models), weighing plate, mains adaptor and user's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-LS 500	PCE-LS 500 Laboratory balance
PCE-LS 1000	PCE-LS 1000 Laboratory balance
PCE-LS 3000	PCE-LS 3000 Laboratory balance

Optional accessories

VER-PCE-LS	M class II Legal for trade verification
CAL-PCE-BS	ISO certificate
PCE-LS-TOL	Option: Balance with weight tolerance function, with acoustic signal to reset the upper or lower value limits that can be established independently (an installation of these option isn't possible later)
PCE-SOFT-LS	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
CW-F1-500	Calibration weight of 500 g, class F1 tolerance ± 2.5 mg, plastic box for PCE-LS 500 model
CW-M1-500	Calibration weight of 500 g, class M1, tolerance ± 25 mg, plastic box for PCE-LS 1000 model
CW-F2-2000	Calibration weight of 2000 g, class F2, tolerance ± 30 mg, plastic box for PCE-LS 3000 model



PCE-BP1 printer
(optional)

Laboratory Balances

Serie PCE-ABZ C

Balance with high resolution and multiple functions



The PCE-ABZ series analytical balance is a laboratory balance that accurately determines weight in grams and in milligrams. With the windshield, which is included in the delivery, external influences such as air currents will be eliminated. The die cast aluminium enclosure is of solid design. With the help of optional software and cable, data can be transferred directly to a computer, which saves time and ensures reading accuracy.

- With windshield and two sliding doors
- PCE ABZ analytical balance piece counting: user selectable number of reference pieces, display can be switched from piece to weight
- RS-232 interface to connect the balance to a computer to further assess data
- Capacity indicator (at the right side of the display and indicates the weight range that is available)
- Tare range across the entire weight range
- Rugged die cast aluminium enclosure
- Water level to properly setup the analytical balance
- Internal vibration suppression
- ISO certificate (optional) (to meet DIN ISO 9000 standard)



Technical specifications

Model	Weight range Max g	Readability d mg	Verification value e mg	Minimum load Min mg	Repeatability mg	Linearity mg	Piece count weight minimum mg	Weighing plate mm
PCE-ABZ 100C	100	0.1	-	-	0.15	±0.2	0.6	Ø 90
PCE-ABZ 200C	200	0.1	-	-	0.15	±0.2	0.6	Ø 90
Tare range	full range							
Response time	< 5 sec.							
Units	g, kg, oz, lb							
Display	LCD with backlight							
Calibration	external calibration (with external calibration weight)							
Interface	RS-232							
Piece counting	yes, selectable reference quantities							
Vibration dampening	internal vibration suppression							
Operating temperature	+18 to +30 °C							
Power	230 V / 50 Hz							
Enclosure	die cast aluminium							
Ingress protection	IP 54							
Weighing plate dimensions	175 x 140 x 230 mm							
Overall dimensions	235 x 345 x 350 mm							
Weight	approx. 6.0 kg							



Contents

PCE-ABZ C analytical balance (one of our models), weighing plate, glass windshield, mains cable and user's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-ABZ 100C	PCE-ABZ 100C Analytical balance
PCE-ABZ 200C	PCE-ABZ 200C Analytical balance

Optional accessories

CAL-PCE-ABZ	ISO certificate
PCE-SOFT-ABZ	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
PCE-SJA	Antivibration table, 450 x 450 x 100 mm
CW-E2-100	Calibration weight of 100 g, class E2, tolerance ±0.15 mg, plastic box for PCE-ABZ 100 C model
CW-E2-200	Calibration weight of 200 g, class E2, tolerance ±0.30 mg, plastic box for PCE-ABZ 200C model



PCE-BP1 printer (optional)

Serie PCE-AB

Verifiable analytical balance with internal adjustment control



This PCE AB analytical balance is a verifiable device that can determine weight in grams and milligrams. With the windshield, which is included, external influences such as air current can be decreased. We also offer an optional antivibration table that minimizes the influence of strong vibrations on the balance (e.g. if it is placed near machines in the production area). The graphic display with capacity indication facilitates the reading of results. With the help of the optional software set, you will be able to transfer data to a computer. As well as automatic internal calibration, you can do an external calibration with the optional calibration weights (only if the balance is not verified).

- With windshield and two sliding doors
- Piece counting with the PCE AB analytical balance: user selectable number of reference pieces by user, display can be switched from piece to weight
- RS-232 interface for connection to a computer
- Capacity indicator: the display with backlight indicates the weight range available
- Tare range across 100 % of weight range
- Rugged die cast aluminium enclosure
- Water level to setup the analytical balance
- Internal vibration suppression
- 230 V serial mains adaptor
- ISO certificate (e.g. to meet DIN ISO 9000 standard)
- Optional M class I verification



Technical specifications

Model	Weight range Max g	Readability d mg	Verification value e mg	Minimum load Min mg	Repeatability mg	Linearity mg	Piece count weight minimum mg	Weighing plate mm
PCE-AB 100	100	0.1	1	10	0.15	±0.2	0.6	Ø 90
PCE-AB 200	200	0.1	1	10	0.15	±0.2	0.6	Ø 90
Tare range	full range							
Response time	< 5 sec.							
Units	g, kg, oz, lb							
Display	graphic LCD with backlight and capacity indicator							
Calibration	- internal calibration (with internal, motor driven, calibration weight) - external calibration (using optional external calibration weights)							
Interface	RS-232							
Piece counting	yes, user selectable reference quantities							
Vibration dampening	internal vibration suppression							
Operating temperature	+18 to +30 °C							
Power	230 V / 50 Hz (12 V adaptor)							
Enclosure	die cast aluminium							
Ingress protection	IP 54							
Weighing plate dimensions	175 x 140 x 230 mm							
Dimensions	235 x 345 x 350 mm							
Weight	approx. 6.5 kg							



also available as PCE-AB 100C / PCE-AB 200C without graphical display



Graphical display with load bargraph (capacity indicator)

Contents

PCE-AB analytical balance (one of our models), weighing plate, glass wind shield, mains cable and user's manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

Model No.	Description
PCE-AB 100	PCE-AB 100 Analytical balance
PCE-AB 200	PCE-AB 200 Analytical balance
PCE-AB 100C	PCE-AB 100C Analytical balance, same as PCE-AB 100 but without graphical LCD
PCE-AB 200C	PCE-AB 200C Analytical balance, same as PCE-AB 200 but without graphical LCD

Optional accessories

VER-PCE-AB	M class I Legal for trade verification
CAL-PCE-AB	ISO certificate
PCE-SOFT-AB	Software with RS-232 cable
RS232-USB	RS-232 to USB adaptor
PCE-BP1	Thermal printer with RS-232 data cable
PCE-SIA	Antivibration table, 450 x 450 x 100 mm
CW-E2-100	Calibration weight of 100 g, class E2, tolerance ±0.15 mg, plastic box for PCE-AB 100 model
CW-E2-200	Calibration weight of 200 g, class E2, tolerance ±0.30 mg, plastic box for PCE-AB 200 model



PCE-BP1 printer (optional)