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)

Technical specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range Max.</th>
<th>Readability</th>
<th>Repeatability</th>
<th>Pan size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-JS 50</td>
<td>50 g / 250 ct</td>
<td>0.001 g / 0.01 ct</td>
<td>0.002 g / 0.02 ct</td>
<td>Ø 22 mm</td>
</tr>
</tbody>
</table>

- 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

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)

Technical specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Range</th>
<th>Readability</th>
<th>Linearity</th>
<th>Pan size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-DMS 200</td>
<td>20,000 g/m²</td>
<td>1 g/m²</td>
<td>±0.02</td>
<td>Ø 100</td>
</tr>
</tbody>
</table>

- Units: g/m², g, oz y oz/m²
- Display: LCD with backlight
- Calibration: With external test weight (not included)
- Power: mains adapter or 6 AA batteries
- Dimensions: 145 x 210 x 40 mm
- Weight: 500 g
- Contents: PCE-DMS 200 paper scale, draught shield, mains adapter and operator’s manual (For U.K. customers: incl. U.K. AC Mains Power Adaptor)

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

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

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
- 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 (if fits over the plastic pan support)
- ISO calibration certificate is optional (e.g. to meet with DIN ISO 9000)

Pan: 160 x 135 mm
Plate: Ø 95 mm

Technical specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range Max</th>
<th>Readability</th>
<th>Verification value</th>
<th>Minimum load Min</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Piece counting weight minimum</th>
<th>Weighing pan</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-BS 300</td>
<td>300g</td>
<td>0.01 g</td>
<td>g</td>
<td>-</td>
<td>-</td>
<td>0.03 g</td>
<td>±0.02 g</td>
<td>0.02 Ø 95 mm</td>
</tr>
<tr>
<td>PCE-BS 3000</td>
<td>3000g</td>
<td>0.1 g</td>
<td>g</td>
<td>-</td>
<td>-</td>
<td>0.2 g</td>
<td>±0.2 g</td>
<td>0.2 Ø 160 x 135 mm</td>
</tr>
<tr>
<td>PCE-BS 6000</td>
<td>6000g</td>
<td>1 g</td>
<td>g</td>
<td>-</td>
<td>-</td>
<td>1 g</td>
<td>±1 g</td>
<td>1 Ø 160 x 135 mm</td>
</tr>
</tbody>
</table>

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-BS 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 leveling 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 adapter 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range</th>
<th>Readability</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Piece counting weight minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-BSH 6000</td>
<td>6000</td>
<td>0.1</td>
<td>0.1</td>
<td>±0.2</td>
<td>0.3</td>
</tr>
<tr>
<td>PCE-BSH 10000</td>
<td>10000</td>
<td>0.2</td>
<td>0.2</td>
<td>±0.4</td>
<td>0.6</td>
</tr>
</tbody>
</table>

| 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 °C to +30 °C |
| Power          | ±10 V / ±33 °C         |
| 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)
- CAL-PCE-BSH ISO calibration certificate
- PCE-SOFT-BSH Software with RS-232 cable
- RS232-USB RS-232 to USB adaptor
- PCE-BP8 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 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)

**Weighing pan:** 170 x 180 mm

### Technical specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range Max</th>
<th>Readability</th>
<th>Repeatability</th>
<th>Piece counting weight minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-BT 200</td>
<td>200</td>
<td>0.001</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>PCE-BT 2000</td>
<td>2000</td>
<td>0.01</td>
<td>0.03</td>
<td>0.03</td>
</tr>
</tbody>
</table>

| Tare range  | full range       |
| Response time| 3 s              |
| Display     | LCD              |
| Calibration | automatic (with external test weight) |
| Operation conditions | +18 °C to +33 °C |
| Power       | 230 V / ±33 °C   |
| 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)
- 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
- 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)

Technical specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range Max</th>
<th>Readability</th>
<th>Verification value</th>
<th>Minimum load Min</th>
<th>Reproducibility</th>
<th>Linearity</th>
<th>Piece count weight minimum</th>
<th>Weighing pan mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-LSM 200</td>
<td>200</td>
<td>0.001</td>
<td>0.01</td>
<td>0.02</td>
<td>0.001</td>
<td>±0.002</td>
<td>0.006</td>
<td>Ø 120</td>
</tr>
<tr>
<td>PCE-LSM 2000</td>
<td>2000</td>
<td>0.01</td>
<td>0.1</td>
<td>0.2</td>
<td>0.01</td>
<td>±0.02</td>
<td>0.06</td>
<td>Ø 150</td>
</tr>
<tr>
<td>PCE-LSM 6000</td>
<td>6000</td>
<td>0.5</td>
<td>0.5</td>
<td>25</td>
<td>0.1</td>
<td>±0.2</td>
<td>0.6</td>
<td>225 x 185</td>
</tr>
</tbody>
</table>

Tare range: full range
Response time: 5 sec.
Joints: g, kg, %
Display interface: 18 mm LCD with backlight
Calibration: automatic (with external test weight)
Operating temperature: 18 °C to 33 °C
Power: 230 V / 50 Hz (12 V mains adaptor)
Enclosure: die cast aluminium
Ingress protection: included in the PCE-LSM 200 and PCE-LSM 2000 models (Ø 130 x 60 mm or Ø 160 x 60 mm)
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
**Serie PCE-LS**

**Verifiable laboratory balance**

The LS series balance is an attractive product due to its high accuracy, 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 a 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)

**Technical specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range</th>
<th>Readability</th>
<th>Verification value</th>
<th>Minimum load</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Piece count</th>
<th>Weight plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-LS 500</td>
<td>500 g</td>
<td>0.001 g</td>
<td>0.01 g</td>
<td>0.02 g</td>
<td>0.0015 g</td>
<td>±0.002 g</td>
<td>0.006 g</td>
<td>Ø 120 mm</td>
</tr>
<tr>
<td>PCE-LS 1000</td>
<td>1000 g</td>
<td>0.01 g</td>
<td>0.1 g</td>
<td>0.5 g</td>
<td>0.015 g</td>
<td>±0.03 g</td>
<td>0.06 g</td>
<td>165 x 165 mm</td>
</tr>
<tr>
<td>PCE-LS 3000</td>
<td>3000 g</td>
<td>0.01 g</td>
<td>0.1 g</td>
<td>0.5 g</td>
<td>0.015 g</td>
<td>±0.03 g</td>
<td>0.06 g</td>
<td>165 x 165 mm</td>
</tr>
</tbody>
</table>

**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)
**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**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range Max g</th>
<th>Readability d mg</th>
<th>Verification value e mg</th>
<th>Minimum load Min mg</th>
<th>Repeatability mg</th>
<th>Linearity ± mg</th>
<th>Piece count weight minimum mg</th>
<th>Weighing plate Ø mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-ABZ 100C</td>
<td>100</td>
<td>0.1</td>
<td>-</td>
<td>0.15</td>
<td>±0.2</td>
<td>±0.2</td>
<td>0.6</td>
<td>90</td>
</tr>
<tr>
<td>PCE-ABZ 200C</td>
<td>200</td>
<td>0.1</td>
<td>-</td>
<td>0.15</td>
<td>±0.2</td>
<td>±0.2</td>
<td>0.6</td>
<td>90</td>
</tr>
</tbody>
</table>

- 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 °C 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)

**Optional accessories**

| CAL-PCE-ABZ | ISO certificate |
| PCE-50FT-ABZ | Software with RS-232 cable |
| RS232-USB | RS-232 to USB adaptor |
| PCE-BP1 | Thermal printer with RS-232 data cable |
| PCE-50A | 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 |
Laboratory Balances

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 supression
- 230 V serial mains adaptor
- ISO certificate (e.g. to meet DIN ISO 9000 standard)
- Optional M class I verification

**Technical specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight range Max g</th>
<th>Readability d mg</th>
<th>Verification value e mg</th>
<th>Minimum load Min mg</th>
<th>Repeatability ±0.2 mg</th>
<th>Linearity ±0.2 mg</th>
<th>Piece count weight minimum mg</th>
<th>Weighing plate Ø mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-AB 100</td>
<td>100</td>
<td>0.1</td>
<td>1</td>
<td>10</td>
<td>0.15</td>
<td>±0.2</td>
<td>0.6</td>
<td>Ø 90</td>
</tr>
<tr>
<td>PCE-AB 200</td>
<td>200</td>
<td>0.1</td>
<td>1</td>
<td>10</td>
<td>0.15</td>
<td>±0.2</td>
<td>0.6</td>
<td>Ø 90</td>
</tr>
</tbody>
</table>

| 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 weights)
  - external calibration (using optional external calibration weights) |
| Interface      | RS-232              |
| Piece counting | yes, user selectable reference quantities |
| Vibration dampening | internal vibration supression |
| Operating temperature | +18 to +38 °C |
| Power          | 230 V / 50 Hz (12 V adapter) |
| 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      |

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)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCE-AB 100</td>
<td>PCE-AB 100 Analytical balance</td>
</tr>
<tr>
<td>PCE-AB 200</td>
<td>PCE-AB 200 Analytical balance</td>
</tr>
<tr>
<td>PCE-AB 100C</td>
<td>PCE-AB 100C Analytical balance, same as PCE-AB 100 but without graphical LCD</td>
</tr>
<tr>
<td>PCE-AB 200C</td>
<td>PCE-AB 200C Analytical balance, same as PCE-AB 200 but without graphical LCD</td>
</tr>
</tbody>
</table>

**Optional accessories**

- VCR-PCE-AB: M class I Legal for trade verification
- CAL-PCE-AB: ISO certificate
- PCE-SOF-T-AB: Software with RS-232 cable
- RS232-USB: RS-232 to USB adaptor
- PCE-BP1: Thermal printer with RS-232 data cable
- PCE-SAL: 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)