

PCE Instruments

Discover our new table scales and their functions.





PRECISION BALANCE PCE-MS T3B-1-M

With deep container / max. capacity 3 kg / 6.6 lb / resolution: 1 g

A precision balance for simple weighing tasks in the legal-fortrade range up to a maximum capacity of 3 kg / 6.6 lb and a resolution of 1 g. Its modern, innovative design makes it an eyecatcher at the place of installation. The black display of the precision scales with the 30 mm illuminated white digits allows easy and comfortable reading of the weight. Both the internal rechargeable battery of the precision balance and the mean gravitational value of a defined geographical zone, which is taken into account during calibration, enable the greatest possible mobile use of the precision scales. A clear plastic cover protects the precision scale from coarse soiling.

ISO cal option

- ► Plattformgröße 220 x170 mm
- tiefer Kunststoffbehälter
- Wägebereich 3 kg
- Eichwert 1 g
- Mehrfachtara
- Akkubetrieb bis zu 25 Stunden
- Ziffernhöhe 28 mm
- ▶ Wägeeinheiten kg und Ib



APPLICATION





TECHNICAL SPECIFICATIONS

Scale type Weighing range [Max] Resolution [d] Weighing unit Verification value [e] Verification class [e] Minimum load [Min]

Taring range Weighing plate [WxD] Platform type Interface

Display Digit size [WxH] Power supply

Battery life Battery saving mode Operating temperature Weight

PCE-MS T3S-1-M PCE-MS T3P-1-M

Further models:

single-range scale 3 kg / 6.6 lb 1 g / 0.035 oz 1 g / 0.035 oz M III 20 g / 0.7 oz

multiple tare over the entire weighing range automatic and manual tare deletion possible

220 x 170 mm / 8.66 x 6.69" deep plastic container USB-B Bidirectional LCD. white on black 15 x 28 mm / 0.59 x 1.1"

internal lead battery 6 V / 4.5 Ah / 101 x 70 x 50

mm / 3.9 x 2.7 x 1.9" / 820 g / 28.9 oz

external power supply 7.8 V / 1.2 A AC / 110 V - 230 V up to 25 hours (continuous operation)

yes after 30 seconds without use (can be deactivated)

-10 ... +40 °C / 14 ... 104 °F

3.6 kg / 7.9 lb

with stainless steel weighing plate with plastic weighing plate



Subject to change without notice



BENCHTOP SCALE PCE-PP 20

With a resolution of 1 g / hinged weighing platform

The benchtop scale is a very precise measuring device for determining weights due to the resolution of 1 g and an accuracy of ± 0.1% of measuring range. The display units available on the parcel scale are lb / oz, kg / g, kg, g, lb, oz. The illuminated LC display of the parcel scale is sized in such a way that the measured value can be read easily even in very bright ambient

conditions. In addition, the display of the parcel scale can be removed and can be positioned freely because of the spiral cable. With the piece counting function, the benchtop scale can determine the number of objects, such as screws. For this purpose, a reference measurement is first carried out on the parcel scale.

ISO cal option

- removable display
- hinged weighing platform
- resolution 1 g
- various units
- piece counting function
- battery and mains operation



APPLICATION





TECHNICAL SPECIFICATIONS

Measuring range 0 ... 20 kg / 0 ... 44 lb Resolution 1 g / 0.03 oz ±0.1% of full scale Accuracy

Further specifications

lb / oz, kg / g, kg, g, lb, oz Units

Exceeding the measuring range "O-Ld" "LO"

Low battery voltage

after 5 minutes of inactivity Automatic shutdown 3 x 1.5 V AAA batteries Power supply

Power supply mains

primary: 100 ... 240 V AC / 50, 60 Hz

secondary: 6 V DC, 1 A

 $5 \dots 35~^{\circ}\text{C}$ / 41 \dots 95 $^{\circ}\text{F},$ <90% RH, non-condensing Ambient conditions

198 x 180 x 44 / (120 (unfolded)) mm / Dimensions platform 7.8 x 7.0 x 1.7 / (4.7 (unfolded)) "

92 x 68 x 30 mm / 3.6 x 2.6 x 1.1" Dimensions display

Display cable spiral cable with a length of 1100 mm / 43" Weight

810 g / 28.5 oz



Subject to change without notice



INVENTORY SCALES PCE-DPS 25

Inventory scales with two weighing plates

The inventory scales is a balance with two integrated weighing platforms in one measuring device. Both weighing surfaces on the precision balance have different specifications. With the large weighing surface of the precision balance, a weight of a test item of up to 25 kg / 55 lbs can be determined with a resolution of 0.5 g. With the small weighing surface of the precision balance, however, weighings of up to 1 kg / 2.2 lbs and a resolution of 0.02 g are possible. This means that this precision balance can be used to carry out an even wider range of weighings than alternative balances.

In addition to the normal weighing function, the precision balance has a piece counting function.

ISO cal option

- two integrated weighing surfaces
- piece counting function
- battery and mains operation
- different interfaces
- built-in bubble level for leveling the balance
- connection of another load cell possible



APPLICATION





TECHNICAL SPECIFICATIONS

Weighing plate 1

Measurement range 25 kg / 55 lbs Measurement accuracy ±2 g Resolution 0.5 g

345 x 260 mm / 13.6 x 10.2 in Weighing plate dimensions

Weighing plate 2

Measurement range 1 kg / 2.2 lbs Measurement accuracy ±0.08 g Resolution 0.02 g

114 x 114 mm / 4.5 x 4.5 in Weighing plate dimensions

Further specification

Built-in battery

Interfaces USB-A (connection to PC)

SUB D9 female (connection to external

measuring cell) SUB D9 male (RS232)

Power supply mains adaptor

primary: 100 ... 240V AC, 50/60 Hz, 0.5 A

secondary: 12 V DC, 1 A

2000 mAh

320 x 120 x 480 mm / 12.6 x 4.7 x 18.9 in Dimensions

Operating conditions 0 ... 40 °C / 32 ... 104 °F

Weight 8.6 kg / 19 lbs



Subject to change without notice



COMPACT BALANCE PCE-SCS 150

Low-cost compact balance up to 150 kg, Readability 10 g

The compact balance has a 400 x 500 mm stainless steel platform that can be removed for cleaning. Flexible use of the mobile platform scale is made possible not only by the light weight and compact dimensions, but also by the independent power supply, which is possible with the 6V4Ah rechargeable battery.

If the 4 load cells of the compact balance with a weighing

capacity of 150 kg and a resolution of only 10 g require an adjustment, this can be done quickly and easily using external weights (optional) in the calibration function of the platform scale. Thanks to the key operation, the fast response time of the platform scale and the easy-to-read 20 mm LCD display, this platform scale is ideally suited for mobile and fast weighing applications.

ISO cal option

- platform size 400 x 500 mm / 15.7 x 19.7"
- shockproof plastic housing
- 20 mm LCD display
- battery operation
- automatic energy saving mode
- tare function
- weighing units kg and lb.
- flat and light construction



APPLICATION





TECHNICAL SPECIFICATIONS

Weighing range 150 kg / 330 lb Readability 10 g / 0.35 oz Taring range over the full range Settling time adjustable kg / lb Weighing units

20 mm / 0.78" LCD backlit Display

Platform size 400 x 500 mm / 15.7 x 19.7" (stainless steel) Calibration by external adjustment weight (optional) -10 °C ... 40 °C / 14 °F ... 104 °F Operating temperature

RS232 Interface Memory 18 values

100-240V 50 / 60Hz - 12V adapter Power supply Rechargeable battery: 6V4Ah

Battery life 130 hours

analog 10.6 mV / V - 3 mV / V Input signal

≤ 0.01% F.S. Linearity

680 x 660 x 150 mm / 26.7 x 26.0 x 5.9" Dimensions

8 kg / 17.6 lb Weight

Further models:

PCE-SCS 30 Weighing range 30 kg Platform size 300 x 400 mm

Readability 2 g

PCE-SCS 60 Weighing range 60 kg

Platform size 300 x 400 mm

Readability 5 g



Subject to change without notice



PARCEL SCALE PCE-PB 200N

Max. weighing range up to 200 kg / with external display

The parcel scale with a maximum weighing range of up to 200 kg and a weighing surface of 350×390 mm is the ideal measuring device for determining the weight of parcels or the contents of propane gas bottles. With an accuracy of ± 0.3 kg, the platform scale is a precise measuring device. Furthermore, the platform scale can be used for the dosing of paints. This makes the plat-

form scale a universally applicable test device in production, warehouse and logistics. In addition to the normal measuring mode, the parcel scale has a counting function. With the counting function, the platform scale determines, for example, the number of batteries in a package.

ISO cal option

- optionally with ISO calibration
- counting function
- weighing units kg, lb, oz/lb
- weighing surface of 350 x 390 mm / 13.7 x 15.3"

wall mounting bracket for the display

automatic shutdown when inactive



APPLICATION





TECHNICAL SPECIFICATIONS

 Weighing range
 200 kg / 440 lb

 Resolution
 0.1 kg / 3.5 oz

 Accuracy
 ±0.3 kg / 10.5 oz

 Minimum load
 0.3 kg / 10.5 oz

Further specifications

Units kg, lb, oz/lb
Display when the measuring range is exceeded

"0_Ld"

Display when voltage is too low "LO"

Operating conditions $5 \dots 35 \,^{\circ}\text{C} \, / \, 41 \dots 95 \,^{\circ}\text{F}, <85\% \, \text{RH}, \, \text{non-}$

condensing

Power supply battery 4 x 1.5 V AA batteries

Mains power supply primary: 100 ... 240 VAC, 50/60 Hz, 0.3 A

secondary: 6 VDC, 1 A

Dimensions platform 350 x 390 x 40 mm / 13.7 x 15.3 x 1.5" Dimensions display 180 x 88 x 33 mm / 7.0 x 3.4 x 1.3"

Weight ca. 3 kg / 6.6 lb

Further model:

PCE-PB 75N Weighing range **75 kg / 165 lb**

Resolution 0.02 kg / 0.7 oz



Subject to change without notice



TRADE APPROVED SCALE PCE-MS PC60-1-30X40-M

Verifiable / Trade Approved Scale / Max. capacity 60 kg

The trade approved scale is ideally suited as a mobile scale for applications that require official verification. It is conformance-assessed for the largest possible geographic area around where the platform scale is intended to be used. This conformity assessment replaces the first calibration and ensures compliance with the strict verification error limits within this zone.

The trade approved scale has a carrying handle for easy transport and there is a compartment below the weighing plate in which the spiral cable can be stowed. The 90 cm long spiral cable can be pulled up to 2.5 m. The powder-coated weighing surface measures 30 x 40 cm and is firmly attached to the base frame for safe transport.

ISO cal option

- platform size 300 x 400 mm
- weighing capacity 60 kg
- calibration value 20 g
- battery operation up to 25 hours
- tare function
- weighing units kg and lb



APPLICATION





TECHNICAL SPECIFICATIONS

Scale type
Weighing range [Max]
Resolution [d]
Weighing unit
Verification value [e]
Verification class [e]

Verification class [e] Minimum load [Min] Taring range

Weighing plate [WxD] Interface Display Digit size [WxH] Power supply

Battery life Battery saving mode Load cell

Operating temperature Weight

single-range scale 60 kg / 132 lb 20 g / 0.70 oz kg 20 g / 0.70 oz

M III 400g / 14.1 oz

multiple tare over the entire weighing range, automatic and manual tare deletion possible 300 x 400 mm / 11.8 x 15.7"

USB-B bidirectional LCD, white on black 15 x 28 mm / 0.59 x 1.1"

internal lead battery 6 V / 4.5 Ah / 101 x 70 x 50 mm

 $3.9 \times 2.7 \times 1.9$ " / 850 g / 30 oz

external power supply 7.8 V / 1.2 A AC / 110 V - 230 V

up to 25 hours (continuous operation)

yes after 30 seconds without use (can be deactivated) 100 kg / 220 lb / IP 65

-10 ... +40 °C / 14 ... 104 °F 7.2kg / 15.8 lb



Subject to change without notice



TRADE APPROVED SCALE PCE-MS PF150-1-45X45-M

Max. capacity 150 kg (330 lb) / Calibration value: 50 g / Incl. verification

The trade approved scale was designed for mobile use on tables. It is equipped with a display tripod that can be folded up in a few simple steps without tools. The conformity assessment, which replaces the first verification, is carried out for the largest possible geographical area around the planned installation site of the scale. The trade approved scale is operated via the internally installed rechargeable battery, which enables a service life of up to 25 hours in continuous operation. The energy-saving mode helps to significantly extend the operating time. The platform scale has a high-contrast inverted display with a digit height of 28 mm (1.1"). The display can be easily protected from dirt with the help of a practical transparent protective cover.

ISO cal option

- platform size 450 x 450 mm
- weighing capacity 150 kg
- calibration value 50 g
- multiple tare
- battery operation up to 25 hours
- digit height 28 mm
- weighing units kg and lb



APPLICATION



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TECHNICAL SPECIFICATIONS

Scale type Weighing range [max] Resolution [d] Weighing unit Calibration value [e] Verification class [e]

Minimum load [min] Taring range

Weighing plate [WxD]

Interface Display Digit size [WxH] Power supply

Battery life Battery saving mode Load cell

Operating temperature Weight

Further model:

PCE-MS PF60-1-45x45-M

single-range scale 150 kg / 330 lb 50 g / 1.7 oz 50 g / 1.7 oz M III 1 kg / 2.2 lb

multiple tare over the entire weighing range, automatic and manual tare deletion possible

450 x 450 mm / 17.7 x 17.7" / usable area with protective bar 450 x 420 mm / 17.7 x 16.5"

USB-B bidirectional LCD, white on black 15 x 28 mm / 0.59 x 1.1"

internal lead battery 6 V / 4.5 Ah / 101 x 70 x 50mm 3.9 x 2.7 x 1.9" / 850 g / 29.9 oz

external power supply 7.8 V / 1.2 A AC / 110 V - 230 V

up to 25 hours (continuous operation)

yes after 30 seconds without use (can be deactivated) 300 kg / 661 lb / IP 65 -10 ... +40 °C / 14 ... 104 °F

17.7 kg / 39 lb

Weighing range 60 kg / 132 lb Weighing plate 450 x 450 mm



Subject to change without notice



INVENTORY SCALE PCE-BSW 3

Fast measuring rate different weight ranges / measuring range: up to 3000 g

The industrial scale from the PCE-BSW series is an ideal companion for mobile use. The mobile use of the industrial scale is made possible by the exchangeable 5 Ah battery. This can be recharged via the included power supply. In order to align the industrial scale, a level is installed in the balance, which always shows the operator the current positioning. The alignment takes

place via the adjustable feet on the underside of the industrial scale. The industrial scale has two numeric LCD displays with a digit height of 15 mm. On the back of the industrial scale is another LCD display. Thanks to this second indicator on the industrial scale, several spectators can follow a weighing and

ISO cal option

- large contact surface of 235 x 190 mm / 9.3 x 7.5 in
- battery operation for mobile use
- front and back display
- numeric display
- alignment by means of dragonfly
- different measuring ranges



APPLICATION





TECHNICAL SPECIFICATIONS

0 ... 3000 g / 0 ... 6.6 lbs Measuring range

Resolution 0.1 g Repeatability ± 0.3 g Linearity $\pm 0.3 g$

Dimensions of support surface

Display LCD, digit height 15 mm

5 ... 25°C / 41 ... 77°F, < 85 RH non-condensing Operating conditions

Power supply battery 6V, 5 Ah

Power supply mains primary: 100 ... 240 V, 50/60 Hz secondary: 9 VDC, 2000-mA

235 x 190 mm / 9.3 x 7.5 in

Dimension 287 x 271 x 127 mm / 11.3 x 10.7 x 5 in Weight about 437 g / < 1 lb (with battery)



Subject to change without notice



COUNTING SCALE PCE-BSH 10000

Calibratable precision scale up to 10 kg

The low-priced precision scale impresses with a quite high resolution even in higher weighing ranges. The precision scale has a removable, easy-to-clean stainless steel weighing plate. The standard equipment of the precision scale also includes a piece counting function for counting objects of the same weight. The power supply of the precision scales is provided by a

12V power supply unit or by 6x 1.5 V AA batteries which allow flexible use. The precision scale has adjustable feet for levelling. The precision scale is the ideal device for use in production, in the laboratory, in incoming and outgoing inspection as well as for mobile use.

ISO cal option

- USB interface
- weighing range up to 10 kg
- high resolution from 0.2 g
- piece counting function
- multiple tare up to 100% F.S.
- multi-point calibration possible
- calibration weight freely selectable
- variety of different weighing units



APPLICATION



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TECHNICAL SPECIFICATIONS

 $0.6 \; ... \; 10000 \; g \; / \; 0.0014 \; ... \; 22 \; lbs$ Weighing range:

Readability or resolution: ± 0.6 g Accuracy:

Weighing unit selections: g, oz, lb, dwt, ozt, ct, tl.T, tl.H, tl.J, GN, dr, MM,

ToLA, GSM, TAR, TMR

LCD with backlight, 20 mm / 0.79" character height Display:

TARE: multiple taring over full range

Data interface: USB port

Power supply: 12 V / 500 mA electric power adapter (included)

or six 1.5 V AA batteries 0 ... +40 °C / +32 ... +104 °F 160 x 180 mm / 6.3 x 7.08"

Weighing platform dimensions: Overall dimensions: 200 x 265 x 100 mm / 7.87 x 10.43 x 3.94" Overall weight: Approx. 1800 g / 3.94 lbs (without batteries)

Further model:

Operating temperature:

PCE-BSH 6000 6000 g / 0.00066 ... 13 lbs



Subject to change without notice



COMPACT BALANCE PCE-WS 30

Benchtop electronic scale with 30000 g

PCE-WS 30 is an accurate and affordable compact balance or digital tabletop scale with a resolution or readability of 0.5 and a weighing capacity up to 30000 g / 30.0 kg / 66.0 lb. Featuring adjustable feet and a built-in water bubble level, this benchtop electronic balance ensures precision with a full 100% tare weight PCE-WS 30 has a compact design and can be powered by the electric power adapter or the internal battery, making the scale portable when necessary.

ISO cal option

- weighing units: g, kg, lb
- ▶ internal memory stores up to 99 readings
- zero, tare and alarm functions
- adjustable feet, settling time, backlight and data transfer settings
- built-in water bubble level
- no automatic shut down or auto power off feature ensures continuous, uninterrupted use



APPLICATION





TECHNICAL SPECIFICATIONS

30,000 g / 30.0 kg / 66.0 lb Weighing capacity:

Resolution or readability: 0.5 Minimum weight: 0.5 g 99 readings Memory: 100% Tare range: Weighing units: g, kg, lb

Large 6-digit LCD screen Display:

Yes, using external calibration weight Automatic calibration:

(weight not included)

230 x 310 mm / 9.1 x 12.2" Weighing pan dimensions: 0 ... +40 °C / +32 ... +104 °F Operating temperature range:

230 V / 50 Hz or 110 V / 60 Hz adapter Power supply:

and internal rechargeable battery (both included)

Housing material: ABS plastic Interface: RS-232 port

Approx. 320 x 320 x 125 mm / 12.6 x 12.6 x 4.9" Dimensions:

Approx. 2800 g / 2.8 kg / 6.2 lb Weight:



Subject to change without notice



PRECISION BALANCE PCE-PCS 30

Programmable scale for piece counting with high accuracy up to 30 kg

PCE-PCS 30 is a precision scale or balance with accurate weighing and piece or part counting functions. Ideal for use in laboratory, office, inventory and miscellaneous industrial applications, this portable scale can be powered by battery or by the included electric power supply. The scale's built-in RS-232 port enables data transfer and printing. The memory capacity of the scale

and the possibility of battery operation make it an indispensable aid in the factory. This counting scale is the optimal tool when it comes to accurately determining piece counts, e.g. for stocktaking.

ISO cal option

- > separate display for weight, piece count and reference weight
- piece counting
- tare weighing of the counting scale
- input of tare deduction, reference count and reference weight
- battery operation
- mains adapter for 230 V
- ▶ totalising function (99 memory locations)



APPLICATION





TECHNICAL SPECIFICATIONS

Weight range: 0.5 ... 30000 g / 30 kg

Readability: 0.5 g
Repeatability: ± 0.5 g
Minimum weight: 0.5 g
Minimum piece weight: 0.5 g
Memory positions for reference weight: 99
Stabilization time: 3 second

Stabilization time: 3 seconds TARE range: 100 %

Weighing units: Grams or kilograms (metric only)

Screen: 3 x 6 digit LCD

Calibration: Auto (requires external weight, not included)

Dimension of weighing pan: 230 x 310 mm / 9.06 x 12.21" Operating temperature range: 0 ... + 40 °C / + 32 ... + 104 °F

Power: 220 V AC electric power supply (included) or battery

Housing: ABS plastic Interface: RS-232 port

Dimensions of scale: Approx. 320 x 320 x 125 mm / 12.6 x 12.6 x 4.92"

Weight of scale: Approx. 2.8 kg / 6.18 lb

Further model:

PCE-PCS 6 0.1 ... 6000 g / 6 kg (metric only)



Subject to change without notice



COUNTING SCALES PCE-BSK 1100

Counting scale with piece counting function / measuring range 0 ... 1100 g

The counting scale is a scale for daily laboratory use. Another function besides the normal measurement function of the counting scale is the piece counting function. This function allows the counting scale to determine the number of screws, for example. Thus, for example, the counting scale can also be used in logistics. So that the display is readable even in poor lighting condi-

tions, the display of the counting scale has a backlight. In addition to the measuring functions, the counting scale also has an RS 232 interface. Thanks to this interface, the measured values can be transferred to a PC, for example. This counting scale can be used for stationary as well as for mobile use.

ISO cal option

- piece counting function
- ► RS-232 interface
- backlight
- battery operation for mobile use
- level indicator to align the scale
- high precision



APPLICATION





TECHNICAL SPECIFICATIONS

 $\begin{array}{lll} \text{Measuring range} & 0 \dots 1100 \text{ g} \\ \text{Resolution} & 0.01 \text{ g} \\ \text{Repeatability} & \pm 0.02 \text{ g} \\ \text{Linearity} & \pm 0.03 \text{ g} \\ \text{Calibration} & \text{External} \end{array}$

Dimensions Weighing plate Ø 130 mm / 5.1 in

Dimensions 270 x 200 x 80 mm / 10.6 x 7.9 x 3.1 in

Weight 2 kg / 4.4 lbs

Operating conditions 17.5 ... 22.5°C / 63.5 ... 72.5°F, 85% rh non-condensing

Interface RS232

Power supply Battery / 3 x 1.5V AA

Power supply Power adapter

Primary: 100 ... 240V, 50/60 Hz Secondary: 6V, 500-mA

Further models:

PCE-BSK 5100 0 ... **5100** g Auflösung **0,1** g

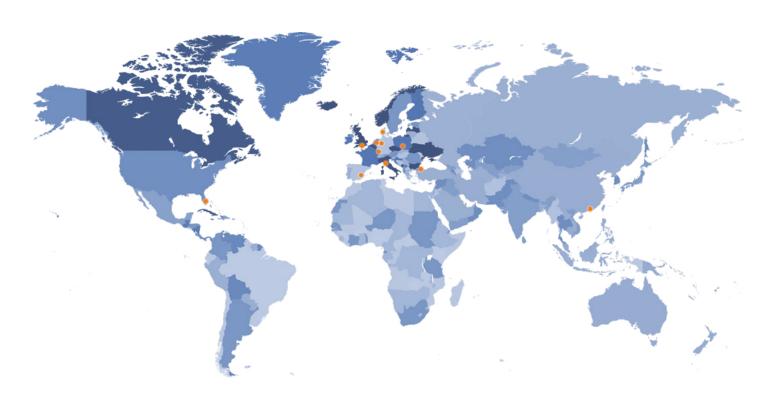
PCE-BSK 310 0 ... 310 g Auflösung 0,001 g





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