



**TEST EQUIPMENT
FOR MAINTENANCE, SERVICE
AND WORKPLACE SAFETY**



MEASUREMENT

Discover our test instruments
and their functions



PCE
INSTRUMENTS

TESTING MEASURING INSTRUMENTS

TEST INSTRUMENTS FROM GERMANY

Maintenance and Service

PCE Deutschland GmbH, based in Meschede-Freienohl in the Sauerland region of Germany, was founded in 1999 by three engineers. With more than 140 employees and locations worldwide, PCE Instruments specialises in the development, manufacture and sale of high-performance, innovative products in the fields of measurement technology, control technology, weighing technology and laboratory technology.

PCE Deutschland GmbH is **DIN EN ISO 9001** and **DIN EN ISO 14001** certified and manufactures test equipment that is customised to meet specific customer requirements. PCE Instruments supplies to customers in the government, industrial and academic sectors, among others.

PCE Instruments' comprehensive range of products and services offers you high precision and flexibility in all applications, as well as outstanding quality and functionality. Take a look at the categories in the overview.

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MEASURING INSTRUMENTS

The field of measuring instruments covers a multitude of innovative portable products as well as products for fixed installation that measure electrical, mechanical, biological and chemical parameters.

CONTROL SYSTEMS

The range of control systems covers the complete demand for sensors, displays, controllers and paperless recorders.

WEIGHING EQUIPMENT

The field of weighing equipment comprises a wide standard range of high-quality scales and balances that can be calibrated and/or verified for trade.

LABORATORY TECHNOLOGY

High-end analytical and laboratory devices have been developed for professional applications and in particular for use in laboratories.

DEVELOPMENT

In order to develop modified test equipment in line with customers' specifications, proficient engineers and technicians cooperate closely with the customer.

PRODUCTION

PCE Instruments manufactures industrial test instruments that help improving process analysis and optimisation.

CALIBRATION

Our DIN EN ISO 9001:2015 certified calibration laboratory verifies the measuring accuracy of our products. They calibrate pressure, hardness, force, material thickness, sound volume, conductivity, redox, vibration acceleration and more.

PLATFORM SCALES

PARCEL SCALES

PCE-PB 150N

Stainless steel platform / up to 150 kg

The USB platform scales of the PCE-PB N series are very versatile. The functions of the USB platform scales are very extensive but one function is particularly interesting for shipping. It is the bidirectional USB interface of the platform scales that enables control by the PC. However, the USB platform scales of the PCE-PB N series can be used with the optional, inexpensive "ProCell"

software. This software simulates keyboard input, similar to a scanner. With the help of this software, the platform scales can then transfer the weight value into active fields. Another advantage of these platform scales is the wired display. The display is supplied with a stand but it is also suitable for wall mounting.

ISO cal option

- » bidirectional USB interface
- » spiral cable can be extended to approx. 1.5 m / 59"
- » digit height 20 mm / 0.78"
- » stainless steel platform
- » PEAK function (maximum value display)
- » piece counting function with reference number of pieces
- » multiple tare
- » function for level control (drum and barrel weighing)
- » Mains or battery operation
- » USB interface cable incl.



APPLICATION



TECHNICAL SPECIFICATIONS

Weighing range (Max)	150 kg / 330 lbs
Minimum load (Min)	150 g / 5.3 oz
Readability (d)	50 200 g / 7 oz
Weighing plate (L x W x H)	300 x 300 x 45 mm / 11 x 11 x 1.7"
Display	LCD 20 mm / 0.78 " digit height (backlit)
Display cable	90 cm/ 35 " spiral cable extendable to approx. 1.5 m / 60" (Plug connection on the display)
Measurement units	kg / g / lb / N (Newton)
Functions	- PEAK Hold function (maximum value display) - multiple tare over the full weighing range - level control (auto tare OFF function) - piece counting function (min.1 pc) - animal weighing function - adjustable filters for fast response time - adjustable shutdown and lighting
Interface	USB bidirectional (query with Sx + CR + LF)
Working temperature	+5 ... +35 °C / 41 ... 95 °F / max. 85 % RH
Power supply	DC 9 V / 200 mA mains adaptor unit or 6 x AA 1.5V batteries
Net weight	approx. 4 kg / 8.8 lbs
Recommended calibration weight	M1 class (freely selectable)

Further model:

PCE-PB 60N	up to 60 kg
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Subject to change without notice

PLATFORM SCALES

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 x 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 platform scale a universally appli-

cable 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	"O_Ld"
Display when voltage is too low	"LO"
Operating conditions	5 ... 35 °C / 41 ... 95 °F, <85% RH, 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



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PLATFORM SCALES

INDUSTRIAL SCALE

PCE-EP 30P1

Two-range scales 15/30 kg / high resolution

The robust inventory scales are real all-rounders. The stand of the inventory scales can be easily separated from the platform along with the tripod mount and inserted into the workbench, if required. The cable between the platform and the display has a plug attached and is about 1.6 m long. The display of the platform scales is in a stainless steel housing with protection class IP54. The display can be placed on

the workbench, on the wall, or on the stand of the platform scales. In addition to the standard functions such as counting, summing, gross / net weighing, limit weighing and the PEAK Hold function, the industrial scales have two special functions, i. e. the filter function for dynamic weighings and the container weighing function.

ISO cal option

- » single-point platform scales (1 load cell)
- » two-range scales 15/30 kg
- » freely adjustable measuring unit kg/...
- » bidirectional RS232 interface
- » display with IP 54 protection
- » tripod incl. removable tripod mount
- » off timer (deactivated)
- » hold function (freezing the weight display)
- » piece counting function
- » animal weighing function
- » limit value function MIN / OK / MAX
- » filter function



APPLICATION



TECHNICAL SPECIFICATIONS

Weighing range	max. 1 = 15 kg / max. 2 = 30 kg
Resolution	up to 15 kg = 2 g from 15 kg ... 30 kg = 5 g
Accuracy	±3 d (three times the resolution)
Platform size [P1]	400 x 500 mm
Tare function	entire weighing range
	RS-232 Bidirectional / D-SUB 9 female
	optional:
Interface	- analogue output 4-20 mA 1/1000 + - 4 potential-free outputs LO / OK / HI / Stable
Display	set as a pulse signal or continuous signal
Units	LCD with 25 mm digit height kg / lb and freely adjustable weighing unit such as kg/m
Cable length to display	ca. 160 cm / plug attached
Power supply	6 V / 4.5 Ah battery or 9 V / 1.2 A mains adaptor (incl.)
Power consumption	70 mA
Protection class	IP54
Working temperature	0 ... + 40 °C / 10 ... 80 % R.H.
Weight	approx. 14 kg

Further models:

PCE-EP 30P2	weighing range: 15/30 kg
	platform size [P2] 500 x 600 mm
PCE-EP 150P1	weighing range: 60/150 kg
	platform size [P1] 400 x 500 mm
PCE-EP 150P2	weighing range: 60/150 kg
	platform size [P2] 500 x 600 mm



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PLATFORM SCALES
WEIGHBRIDGE

PCE-RS 2000

Weighbridge painted steel / platform size 1200 x 1200 mm / up to 2,000 kg

The weighbridge PCE-RS 2000 is designed for stationary use. The robust construction makes this weighbridge particularly well suited for weighing large objects. The weighbridge is made of painted steel. Weighing data can be easily read thanks to its external display (with 4 m cable). The functions of the weighbridge include a summing function, a piece counting and check weighing

function. The weighbridge is delivered with a bi-directional RS-232 interface and with an optional PC software, it can show the measured values in Excel. The indicator of the weighbridge can be placed on a table or an optional tripod.

ISO cal option

- » weighing range: 2,000 kg
- » resolution: 0.5 kg
- » bidirectional RS-232 interface
- » indicator in stainless steel housing, IP 54
- » LC display with 25 mm digit height
- » cable to the display about 5 m (connector)
- » summing function
- » piece counting function
- » Checkweighing function MIN / OK / MAX
- » Analog Output 4...20 mA optional



APPLICATION



TECHNICAL SPECIFICATIONS

Weighing range	2,000 kg
Resolution	0.5 kg
Accuracy uncertainty	±2 kg
Tare ran	over the entire weighing range
Display	LCD, height 25 mm,backlit
Interfaces	1x bidirectional RS-232 interface
Calibration	1x analogue output 4...20 mA optional
Operating temperature	input / multi-point adjustment possible
Power supply	-10 ... +40 °C / max. 85 % RH
possible)	12 V / 1000 mA AC adaptor (battery not
Dimensions weighing platform	1200 x 1200 x 100 mm
Weight	approx. 85 kg

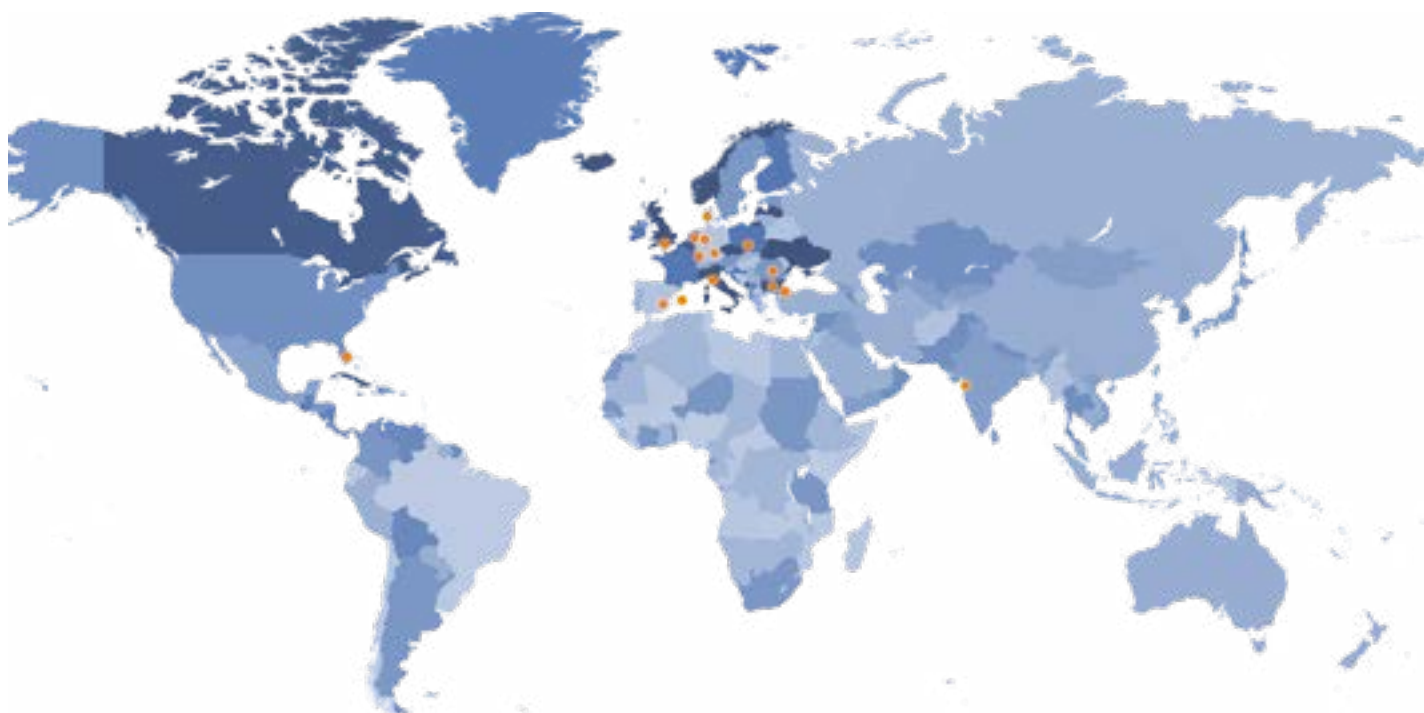


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