



Weighing Technology

# PB Series

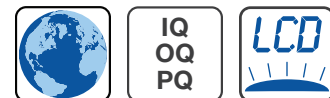
Analytical

120 g x 0.1 mg

220 g x 0.1 mg



- Human Input Device (HID)
- External Calibration
- GLP/GMP Compliant
- Checkweighing, Animal Weighing, Underweighing
- Backlit Alphanumeric LCD
- PHASTbloc Technology



Made in Switzerland



Weighing Technology

# PB Series

Analytical

*A Higher Level of Precision....A Higher Level of Performance*

Model	PB 120A	PB 220A
Capacity	120 g	220 g
Readability	0.0001 g	0.0001 g
Calibration	External Calibration	External Calibration
Recommended Minimum Load	20 mg	20 mg
Repeatability (Std.Dev.)	0.1 mg	0.1 mg
Linearity	0.2 mg	0.2 mg
Sensitivity Drift	± 0.3 mg	± 0.3 mg
Stabilization Time	< 2 seconds	< 2 seconds
Normal Operating Environment	50°F to 85°F (10°C to 30°C) at 85% RH Non-Condensing	50°F to 85°F (10°C to 30°C) at 85% RH Non-Condensing
Ultimate Operating Environment	0°C to 40°C at 70% RH Non-Condensing for SCS Equipped Units	0°C to 40°C at 70% RH non-condensing for SCS equipped units
Weighing Units	g, mg, GN, dwt, ozt, oz, ct	g, mg, GN, dwt, ozt, oz, ct
Available Languages	English, French, German, Spanish	English, French, German, Spanish
Tare Range	100% Subtractive	100% Subtractive
Power Source	AC/DC Adapter 100–240 VAC Input, Output 12 VDC	AC/DC Adapter 100–240 VAC Input, Output 12 VDC
Construction	ABS & Stainless Steel	ABS & Stainless Steel
Display	5" x 3" / 127 mm x 77 mm	5" x 3" / 127 mm x 77 mm
Pan Size	3.54" / 90 mm Ø	3.54" / 90 mm Ø
Draft Shield Internal Dimensions	6.75" x 7.79" x 9.17" / 198 mm x 172 mm x 265 mm	6.75" x 7.79" x 9.17" / 198 mm x 172 mm x 265 mm
Overall Dimensions	325 mm x 202 mm x 340 mm	325 mm x 202 mm x 340 mm
Connectivity	USB & RS232	USB & RS232
Net Weight	14 lb / 6.4 kg	14 lb / 6.4 kg
Shipping Weight	21 lb / 9.53 kg	21 lb / 9.53 kg

Features	Benefits
Human Input Device	Able to customize for various Users
Underweigh Hook	Calculate Density*, use for odd shaped sample
Checkweighing	Set your HI Limits & LO Limits
Alphanumeric LCD	Flexibility to set User ID's, Sample Nname, Checkweighing



## 520 PB

### TIMELESS AND PROVEN IN EVERYDAY PRACTICE

Five high-quality mechanical membrane keys guarantee longevity and a tactile feel with clearly noticeable feedback to the user.

The Model 520 PB is also suitable for laboratories, the pharmaceutical, food, light and consumer goods industries as well as production or for pharmacies and jewellery.

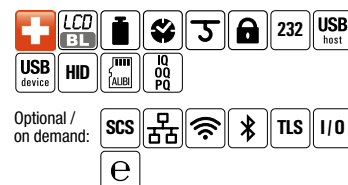
Wherever precise and demanding routine work is carried out on a regular basis, reliability and user-friendliness are key components.

State-of-the-art with an extensive range of applications such as counting, density, animal weighing etc.

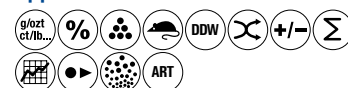
Including statistics, a wide range of languages, RS232 and USB interfaces, all current and future requirements are met.

It has never been so easy to choose the right balance.

#### Features



#### Applications



See Features / Applications for an explanation of terms and comparison with 520 PT.

# SERIES 520 PB FEATURES



## ROBUST AND DURABLE DESIGN

### Designed for almost any environment

When designing the 520 PB series, attention was paid to robustness and durability. The housing materials, keyboard and display were chosen to withstand rough environments and meet heavy demands.



## LARGE ALPHANUMERIC LCD

### Large and easy to read

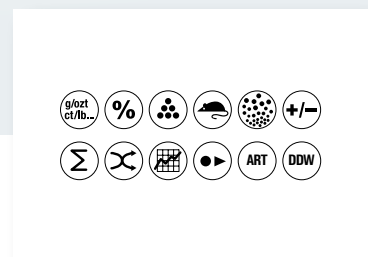
The bright, high-contrast LC display with backlight and large digits (> 15mm) offers excellent readability.

## FIVE KEYS MEMBRANE KEYPAD

### Clear and simple

The five softkeys structure the various application possibilities in a user-friendly manner and considerably improve the operation of the device.

Navigation has been enhanced and simplified for the 520 PB series.



## EXTENSIVE RANGE OF APPLICATIONS

### Advanced functionality

The desired application can be easily selected from a large number of specific applications and guarantees maximum functionality. The 520 PB series offers an extremely wide range of applications for almost every possible application.

# COMMON FEATURES

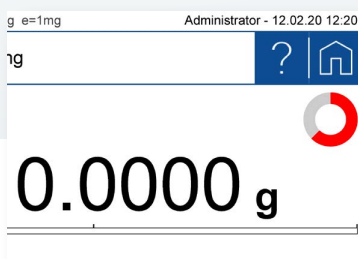


## STURDY HOUSING

### Robust and durable

Precisa's instrument housings have always been characterized by their robustness and longevity. This has not changed with the current Series 520.

Both the new PHASTbloc™ weighing cell and the entire balance have been designed for optimal material choice. For this reason, the base is a robust die-cast aluminium housing and the upper part is made of fibreglass-reinforced and durable plastic.

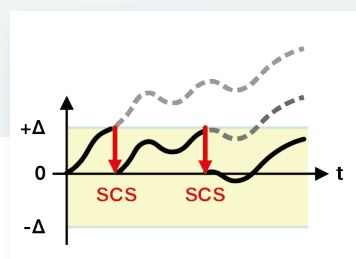


## STABILITY INDICATOR

### Real-time stability indicator with stability prediction

The optical stability indicator indicates measurement faults and provides real-time information on the influences of the environment which may affect the balance.

The more stable the environment, the faster the stability indicator disappears and a reliable value is displayed. The stability indicator allows estimating how long it takes for the balance to display a reliable value.

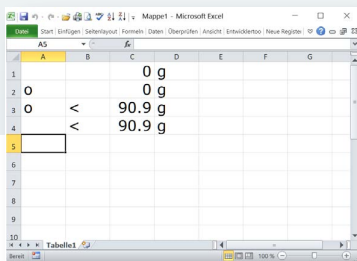


## INTERNAL CALIBRATION (SCS)

### Always accurate

The self-calibration system (SCS) developed by Precisa enables automatic adjustment / calibration of the balance. The function can be set to be temperature and/or time-controlled, so that the user can always expect maximum measuring accuracy. This option is often used in regulated environments (GLP).

# COMMON FEATURES



## HUMAN INPUT DEVICE (HID)

### Direct balances - PC communication

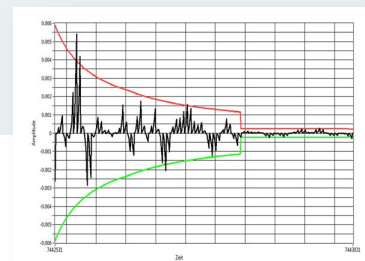
The balance can be connected to a computer via a USB cable and is recognized by the computer as a human input device (HID). This turns your balance into a keyboard and weight values can be sent directly from the balance to the PC without installing any software. No additional authorizations, apps or tools are required. In this way, the data can be written directly into the open program, for example Excel, Word, Notepad, etc.



## USB (FLASH DRIVE)

### Saving data on a USB memory stick

Data such as weight values or reports can be saved directly to a connected USB memory stick. This allows them to be processed on a PC that is not connected.



## OTHER FEATURES

### Suitable for a wide range of use

- Multilingual
- Improved digital filter to eliminate external effects
- Space saving
- Maximum stability, thanks to four adjustable feet
- Weighing below option
- Optionally IP65 protected





## PHASTbloc™

Precisa **H**ybrid **A**dvanced **S**ensor **T**echnology

PHASTbloc™ - Precisa's new and unique weighing technology combines the benefits of current weighing cells with monolithic design.

The ultimate in Swiss engineering from Precisa has created a world first weighing technology, representing 40 years of knowledge and expertise in developing weighing technologies and innovations.

The sustainable hybrid approach in the PHASTbloc™ unites the benefits of a conventional weighing cell and monolithic design. This enables the efficient maintenance and repair of a weighing cell instead of replacing it - sustainability in practice. Advanced materials, engineering and unique manufacturing methods lift quality and performance to new heights.

Using a range of materials such as standard grade and high tech aerospace aluminium, maximises reparability and performance,

offering affordability and an environmentally friendly product. All parts of the PHASTbloc™ are manufactured with the highest Swiss quality and precision. The division of the weighing cell into functional parts not only allows an optimal choice of material and manufacturing process for each section, but also opens up the possibility of replacing parts. This allows the PHASTbloc™ to be maintained costeffectively and ensures a long life.

All this makes the PHASTbloc™ weighing cell the most ecological and economical of its kind without compromising on performance.

