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intelligent®
Weighing Technology

PT Series

Centigram

2,200 x 0.01 g
4,200 x 0.01 g

- Intuitive Color Touch Screen
- Customizable Quick Keys
- Internal Calibration
- GLP/GMP Compliant
- Ethernet, USB, RS 232
- PHASTbloc Technology

Made in Switzerland

PT Series

Centigram

intelligent® Weighing Technology

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

Model	PT 2200C SCS	PT 4200C SCS
Capacity	2,200 g	4,200 g
Readability	0.01 g	0.01 g
Calibration	Internal Calibration	Internal Calibration
Recommended Minimum Load	10 g	10 g
Repeatability (Std. Dev.)	0.05 g	0.05 g
Linearity	0.1 g	0.1 g
Sensitivity Drift	± 0.03 g	± 0.03 g
Stabilization Time	<2 sec	<2 sec
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, oz t, oz, ct	g, mg, GN, dwt, oz t, 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	6.3" x 3" / 160 mm x 77 mm	6.3" x 3" / 160 mm x 77 mm
Pan Size	7.32" x 7.32" / 186 mm x 186 mm	7.32" x 7.32" / 186 mm x 186 mm
Overall Dimensions	12.8" x 7.9" x 3.6" / 325 mm x 200 mm x 91 mm	12.8" x 7.9" x 3.6" / 325 mm x 200 mm x 91 mm
Connectivity	USB, HID, Mini-USB, Wi-Fi (Option), Ethernet (Option)	USB, HID, Mini-USB, Wi-Fi (Option), Ethernet (Option)
Net Weight	14 lb / 6.35 lb	14 lb / 6.35 lb
Shipping Weight	21 lb / 9.52 lb	21 lb / 9.52 lb

Features	Benefits
Internal Calibration	No need for Calibration Weight
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
Alphnumeric LCD	Flexibility to set User ID's, Sample Nname, Checkweighing
Touch Screen	Flexibility for different options w/out reading a manual

520 PT
THE SMART BALANCE

With a 6.4” touch control screen, this is the largest in its class!

In working environments such as laboratories, research and development, where flexibility and individual user solutions are required, the Model 520 PT reveals its full potential. With the advantages of the touch screen in terms of visualization, intuitive operation and customization options, the 520 PT offers the highest degree of flexibility, safety and userfriendliness.

Six large fixed keys for the most common operating functions - on/off switch, tare, printing, user and application selection - optimize operation without reducing the display area.

With a complete range of applications such as counting, density, animal weighing, percentage, check, ... and the RS232, USB, plus optional Ethernet, WiFi and Bluetooth interfaces, there are no limits to the 520 PT.

The 520 PT with its touch screen is the right choice for maximum user-friendliness and flexibility.

Features

LCD TS · IDS · 232 · USB host · USB device · HID · ALIBI · IQ OQ PQ

Optional / on demand: SCS · TLS · I/O · e

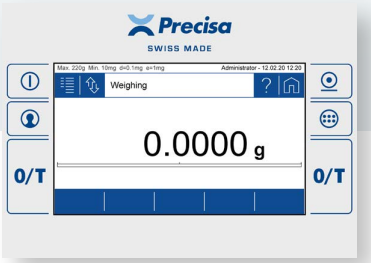
Applications

g/ozt ct/lb... · % · DDW · +/− · Σ · ART · MSW

Optional / on demand: BEST

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

SERIES 520 PT FEATURES



TOUCH SCREEN

Large 6.4” touch-sensitive user interface with an elegant and bright 5” colour display.

As with mobile devices, the balance’s user interface is intuitive and easy to use. Precisa ‘s user-friendly operating concept makes navigation and configuration much easier thanks to the colour scheme.

The desired application is just a fingertip away. The colour logic displays all touchactive surfaces in blue. The “Home” button, which is always available, guides you back to the active application.

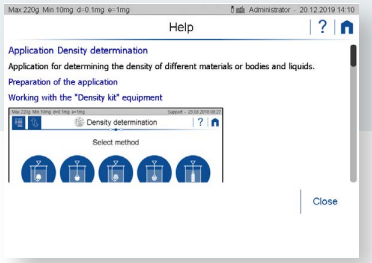
Specifications:

- 6.4” touch-sensitive user interface
- 5“ anti-reflective display
- Shock and scratch resistant
- Suitable to operate with laboratory gloves
- UV resistant
- Frameless for easy and thorough cleaning.

6 FIXED KEYS

Six quick-select keys with the most important functions.

To the right and left of the display there are three fixed position touch-sensitive keys. This gives you access at all times to the most important functions: switch on/off, print, application and user screen as well as taring or zeroing.

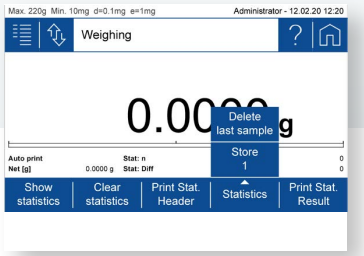


CONTEXT HELP

We simplify your life!

Simply touch the help icon and the context help appear on screen. You will find all relevant information, even if you are in an application, the context menu, the user screen or anywhere else. Help is available at the touch of a button! No more tedious and time-consuming browsing through user manuals.

SERIES 520 PT FEATURES



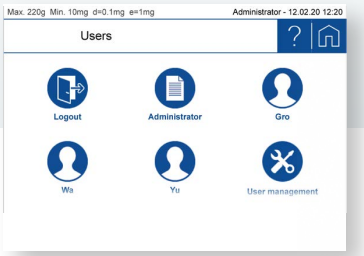
CUSTOMIZE YOUR SCREEN

Individual and efficient

The display of the 520 PT series can be fully adapted to suit your requirements. You decide what information is displayed in the notification area.

Six soft buttons can be freely configured in the action bar. Assign the most important functions to them or create a folder with up to four commands. Complex functions and processes are simplified in this way so that you can concentrate on your main tasks.

Nothing stands in the way of simple, efficient and safe work.



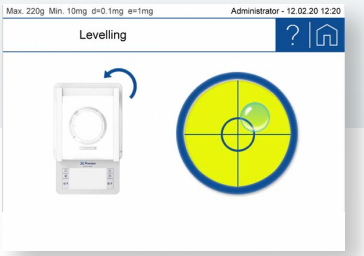
USER MANAGEMENT

Individual and secure

With the built-in, extensive user management, your balance can be optimally adjusted for up to 15 users.

Simply select your profile at the start of work and the balance loads your personal settings.

The balance's individual configuration is saved in your user profile: whether with full access rights, restricted to a single application or simply with the basic operating settings for right-handed or left-handed users. Each profile can be protected with a unique password.



ELECTRONIC LEVEL INDICATOR

Improved precision

With the built-in electronic levelling, you can be assured that your balance is level at all times. If the balance is no longer level, a message appears on the display. The balance can also be configured so that it can only be operated when level.

To reset the position of the balance correctly, a levelling guide is displayed on the screen. It shows which direction the feet need to be moved.

SERIES 520 PT FEATURES

COMMUNICATION & INTERFACES

Unlimited connectivity

The 520 PT Series meets your communication needs. Whether you already have a LIMS in a paperless laboratory or not.

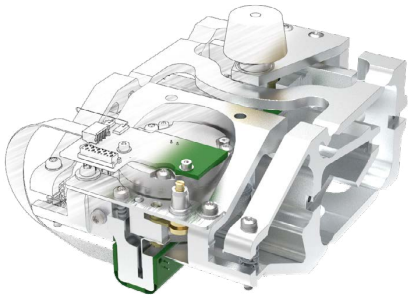
We offer the balance with a range of standard interfaces:

- USB type A (host)
- USB type B (device)
- RS232
- 10/100M Ethernet (optional)
- Wi-Fi (optional)

The integration of your balance into the network, and the connection to a PC or printer is very easy.

PHASTbloc™

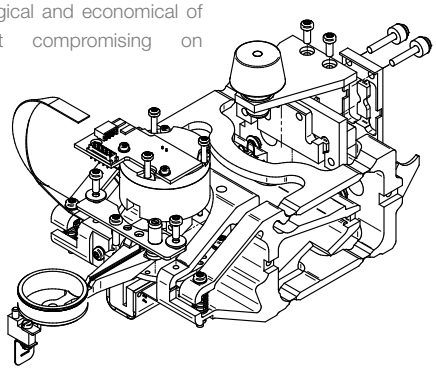
Precisa **H**ybrid **A**dvanced **S**ensor **T**echnology



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 repairability 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.