

100 % Swiss
The highest in Quality & Technology



Series 320XB Basic

Analytical and precision balances

- *Elegant design: robust die-cast aluminium casing*
- *Simple operation via 5 button keyboard*
- *Bright vacuum fluorescent display*
- *Comprehensive range of integrated application programmes*
- *Rechargeable battery (optional) offers 2 hours continuous operation*
- *Swiss quality with extended guarantee*
- *World-wide service*
- *Internet updates*
- *Full range from 120 g/0.1 mg to 10,200 g/1 g*

If you weigh it all up, you'll weigh in with us!

Precisa

■ The Balance of Quality ■

supplyLAB
www.supplylab.pt

Series 320XB Basic:



A truly superior Basic balance

- The Precisa 320XB Basic offers rugged precision and superior design.
- A balance for every need: the comprehensive range of models to meet every requirement.
- Practical and easy access to a number of useful options and accessories which cover every conceivable laboratory and production weighing application.

Series 320XB Basic:



The ideal Laboratory Balance

Simple to operate, completely reliable, meeting rigid metrological requirements. All weighing data may be processed and printed out in accordance with Good Laboratory Practice (GLP) procedures.

A comprehensive range of accessories is available to meet every weighing application.

Maximum user friendliness

The 5-button keyboard enables the user to organize and structure the various weighing programme and weight unit options in such a way that he or she can optimize the features offered by the Precisa 320XB series balance.

Multiple weight units are available; 4 weight units at a time can be called up using the Mode key.

If several users are working on the same piece of equipment, user configurations can be stored and recalled using the User Menu Memorized (UMM) function.

Your connections!

The following peripheral equipment can be connected and used simultaneously:

- Bar-code reader for product identification
- Additional display (free-standing, attached or wall-mounted)
- SmartBox with alpha-numerical data input
- Additional interfaces

Vacuum fluorescent display with user guidance

The bright fluorescent display is attractive, easy to see and offered as standard. Application programme prompts and various other information are shown on the display as required.

Liquid crystal display is offered as an option.

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Series 320XB Basic:



Advanced data management

The Precisa 320XB Basic series balance is equipped with Integrated Functions which include:

- Piece-counting with freely programmable references
- Percent weighing
- Alternative weight units simultaneously
- Weight by totalization
- Density Determination of solid, porous and liquid materials

Date 19.08.1999 Time 11:07:03

Name : PRECISA XB 620M
 Software : N00-0000 A09
 SerialNr. : 2400-10
 Product : 76136640
 Actual : +245.011 g
 Gross : 367.031 g
 Tare : 122.020 g
 Operator : _____

Calibration

Date 19.08.1999 Time 11:07:38

Name : PRECISA XB 620M
 Software : N00-0000 A09
 SerialNr. : 2400-10
 Actual : +200.000 g
 Calibration o.k.

The 'immobilizer' for your balance

Only available with Precisa balances, an anti-theft code can be set which immobilizes the unit until reset. As a further protection, the 320XB series can be physically locked.

Flexible applications using the SmartBox

The SmartBox offers extended applications in such areas as advanced parts-counting, check-weighing finished goods in the production process, establishing under or over filling, defining filling capacities and much more.

Intelligent Calibration Mode (ICM)

External calibration can be achieved via the Intelligent Calibration Mode (ICM) with a choice of external weights. The ICM automatically identifies the calibration weight applied.

Calibration records to comply with management systems are available via the printer (optional).

Self Calibration System is available as an option

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Industrial Protection

Most models in the 320XB Basic series can be supplied in IP65 version as an option, offering protection against ingress of water and dust.



Adjustable feet

The balance is easy to level, using the two adjustable feet and the conveniently located spirit level.



Rechargeable battery

With a rechargeable battery, Precisa offer an extra 2 hours continuous operation (LCD version) with automatic standby function. The battery is internal and recharges automatically.

Your Precisa 320XB Basic balance is supplied with a protective cover as standard.

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Technical specifications Series 320XB

Specifications	XB 120A	XB 220A	XB 160M	XB 320M	XB 620M	XB 620M-FR	XB 320C	XB 620C	
Weighing range	120 g	220 g	160 g	320 g	620 g	120 g / 620 g	320 g	620 g	
Readability	0.1 mg	0.1 mg	1 mg	1 mg	1 mg	1 mg / 10 mg	10 mg	10 mg	
Taring range subtractive	120 g	220 g	160g	320 g	620 g	620 g	320 g	620 g	
Linearity	0.2 mg	0.2 mg	1.5 mg	1.5 mg	1.5 mg	1.5 mg / 10 mg	10 mg	10 mg	
Indicator	Liquid crystal Fluorescent optional			Fluorescent Liquid crystal optional					
Calibration weight recommended	g	100 g +/- 0.1 mg*	100 g +/- 0.1 mg*	100 g F2	200 g F2	200 g F1	200 g F2	200 g F2	
Size (W / D / H)	mm	210/340/345	210/340/345	210/340/150	210/340/150	210/340/150	210/340/150	210/340/89	210/340/89
Balance pan chrome nickel steel	mm	∅ 80	∅ 80	135 × 135	135 × 135	135 × 135	135 × 135	170 × 170	170 × 170
Draft shield	mm	260	260	open	open	open	open	–	–
Net weight	kg	5.9	5.9	5.1	5.1	5.1	5.1	4.5	4.5

Specifications	XB 1200C	XB 2200C	XB 4200C	XB 4200C-FR	XB 3200D	XB 6200D	XB 6200D-FR	XB 10200G	
Weighing range	1200 g	2200 g	4200 g	1200 g / 4200 g	3200 g	6200 g	1600 g / 6200 g	10200g	
Readability	10 mg	10 mg	10 mg	10 mg / 100 mg	0.1 g	0.1 g	0.1 g / 1 g	1 g	
Taring range subtractive	1220 g	2200 g	4200 g	4200 g	3200 g	6200 g	6200 g	10200 g	
Linearity	15 mg	15 mg	15 mg	15 mg / 100 mg	0.1 g	0.1 g	0.1g / 1 g	1 g	
Indicator	Liquid crystal Fluorescent optional			Fluorescent Liquid crystal optional					
Calibration weight recommended	g	500 g F2	1000 g F2	1000 g F2	1000 g F2	2000 g M1	2000 g M1	2000 g M1	5000 g M1
Size (W / D / H)	mm	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89
Balance pan chrome nickel steel	mm	170 × 170	170 × 170	170 × 170	170 × 170	200 × 200	200 × 200	200 × 200	200 × 200
Draft shield	mm	–	–	–	–	–	–	–	–
Net weight	kg	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7

Specifications	XB 600M-C	XB 1100M-C	XB 3100C-C	XB 6200C-G	XB 1200C-G	XB 2200C-G	XB 4200C-G	
Weighing range	600 ct. / 120 g	1100 ct. / 220 g	3100 ct. / 620 g	620 g	1200 g	2200 g	4200 g	
Readability	0.001 ct. / 0.001 g	0.001 ct. / 0.001 g	0.01 ct. / 0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	
Taring range subtractive	600 ct. / 120 g	1100 ct. / 220 g	3100ct. / 620 g	6200 g	1200 g	2200 g	4200 g	
Linearity	15 mct. / 1 mg	15 mct. / 1 mg	15 mct. / 10 mg	10 mg	15 mg	15 mg	15 mg	
Indicator	Liquid crystal Fluorescent optional			Fluorescent Liquid crystal optional				
Calibration weight recommended	g	100 g +/- 1 mg*	100 g +/- 1 mg*	200g F2	200g F2	500g F2	1000g F2	1000g F2
Size (W / D / H)	mm	210/340/265	210/340/265	210/340/150	210/340/89	210/340/89	210/340/89	210/340/89
Balance pan chrome nickel steel	mm	∅ 80	∅ 80	135 × 135	170 × 170	170 × 170	170 × 170	170 × 170
Draft shield	mm	180	180	open	–	–	–	–
Net weight	kg	5.9	5.9	5.1	4.5	4.5	4.5	4.5

* Included
Specifications are subject to change without prior notice.



Accessories Precisa balances 320XB Basic

SCS / LCD Display	320-xxx-005
SCS / LCD Display / IP65	320-xxx-006
SCS / Fluorescent Display	320-xxx-007
SCS / Fluorescent Display / IP65	320-xxx-008
xxx = model number only for balances where not standard	
Remote / second display free standing	350-8504
Remote / second display to mount on balance	350-8505
Remote / second display to mount on wall	350-8516
Fluorescent tube for secondary display unit	
Interface 20 mA current loop passive for transmitting data to PC, printer, bar code printer, bar code reader, reference balance.	350-8526
Analogue output - 10 V... + 10 V (resolution 10 mV)	350-8508
SmartBox / Module for various application programmes	
Piece counting with memorized weights and article numbers	350-8511-001
Finished pack control (FVPO)	350-8511-002
Dosing	350-8511-003
Signal lamp - indicator with 3 lamps green/red/yellow	350-8510
Input / Output module - 6 TTL Inputs / 8 Relay Outputs	350-8509
Multiplexor for up to 7 balances	350-8513
Serial interface RS232 for PC-balances, balances-printer	
Data cable RJ45 / 0.75 m	350-8525
Data cable RJ45 / 1.50 m	350-8520
Data cable RJ45 / 3.00 m	350-8521
Data cable RJ45 / DB9 (PC-male) 1.50 m	350-8557
Data cable RJ45 / DB25 female (PC), 1.50 m	350-8558
Data cable RJ45 / DB25 male (Printer), 1.50 m	350-8559
Rechargeable battery complete	350-8514
Density kit	350-8515
Draft shield XT	350-8517
Draft shield XB / height 180 mm	350-8518
Draft shield XB / height 260 mm	350-8519
Display protector	350-4096
Night cover for balance without draft shield	350-4097
Below balance weighing feature	350-8527

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2-year warranty – worldwide.

Precisa:
Swiss Precision, Swiss Quality, Swiss made.

Precisa Gravimetrics AG continually invests heavily in the development of new technologies. We fund comprehensive, wide-ranging research by an in-house team of highly skilled engineers and technicians at the Swiss headquarters. In addition, Precisa works closely with national and international universities, technical colleges and colleges of applied science.

All of this contributes to Precisa Gravimetrics AG's position as world leaders in many areas.

Precisa's innovation enables the company to offer the very latest in advanced analytical and semi-micro balance technology, in terms of electronics, mechanics and user-friendliness, at extremely attractive prices.

With a wide range of customer benefits.

Perfect Swiss Quality.

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Precisa

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