



100% Swiss
The highest in Quality & Technology

Series 320XT

Analytical and precision balances

- *Wide range of integrated application programmes*
- *10 button keyboard*
- *Application specific display*
- *Elegant design: robust die-cast aluminium casing*
- *Fully automatic self calibration system SCS*
- *Ergonomic, bench-space saving draft shield*
- *Bright vacuum fluorescent display*
- *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 ■

Series 320XT



1 balance – 1000 possibilities

- The Precisa 320XT high performance series combines precision with quality. The 320XT series is elegant in design and offers the highest metrological performance combined with advanced integrated features.
- This advanced balance is designed to meet all the requirements of daily use. The bright vacuum fluorescent display, generously sized draft shield and weighing pan, plus the variety of integrated weighing programmes, combine to make the 320XT high performance series the most versatile precision balance available.
- Precisa Instruments AG's world-wide service organization offers all updates and full technical back-up.



Updates via the Internet

Even quicker and more direct: as the owner of a Precisa 320XT series balance, you are able to load all updates easily via the internet to the balance!

Your connections!

The following 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
- Input/output box with 8 relays and 4 input contacts
- Additional interface 20 mA current loop
- Analogue data output



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.

10 keys for maximum user friendliness

The 10-button keyboard enables the user to organize and structure the many weighing programme and weight unit options in such a way that the Precisa 320XT series balance provides maximum versatility.



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Series 320XT



State-of-the-art data management

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

- Conversion programmes for any conversion factors
- Piece-counting with freely programmable references
- Percent weighing
- Factor multiplication
- Alternative weight units simultaneously
- Formulation
- Weight by totalization
- Live animal weighing
- Density determination of solid, porous and liquid materials
- Statistics
- Plus/minus check weighing



All weighing and other information can be captured for further data processing via the built-in interface (RS232).

Flexible applications using the SmartBox®

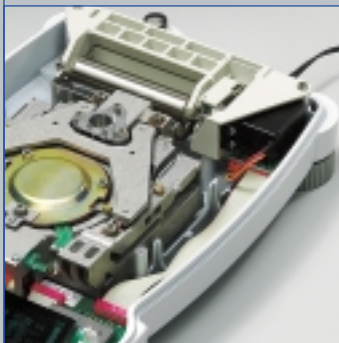
The SmartBox® offers extended applications in such areas as advanced parts-counting, check-weighing finished goods in the production process, establishing under or over filling, defining filling capacities and much more.



The "immobilizer" for your balance

Exclusive to Precisa, an anti-theft code can be set which immobilizes the unit until reset. As a further protection, the 320XT series can be physically locked.

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SCS fully automatic self-calibration system

The 320XT series is fitted with a fully automatic time and temperature controlled internal calibration system (SCS).

The SCS can be set to provide regular calibration at predetermined times in accordance with ISO and GLP guidelines. The interruption function prevents interference with a current weighing procedure.

Internal calibration can be prompted at the touch of a key. External calibration can be achieved via the Intelligent Calibration Mode (ICM) with a choice of external weights.



The Precisa analytical draft shield

The 320XT series analytical draft shield features a unique ergonomic design, using which the doors can be opened with the opposite hand. When open, the doors recess into the rear of the balance without the necessity of extra space, so achieving the smallest possible footprint on the laboratory bench.

Rechargeable battery

With a rechargeable battery, Precisa offer an extra 6 hours continuous operation (LCD version) with automatic standby function. This battery is internal and recharges automatically.

IP65

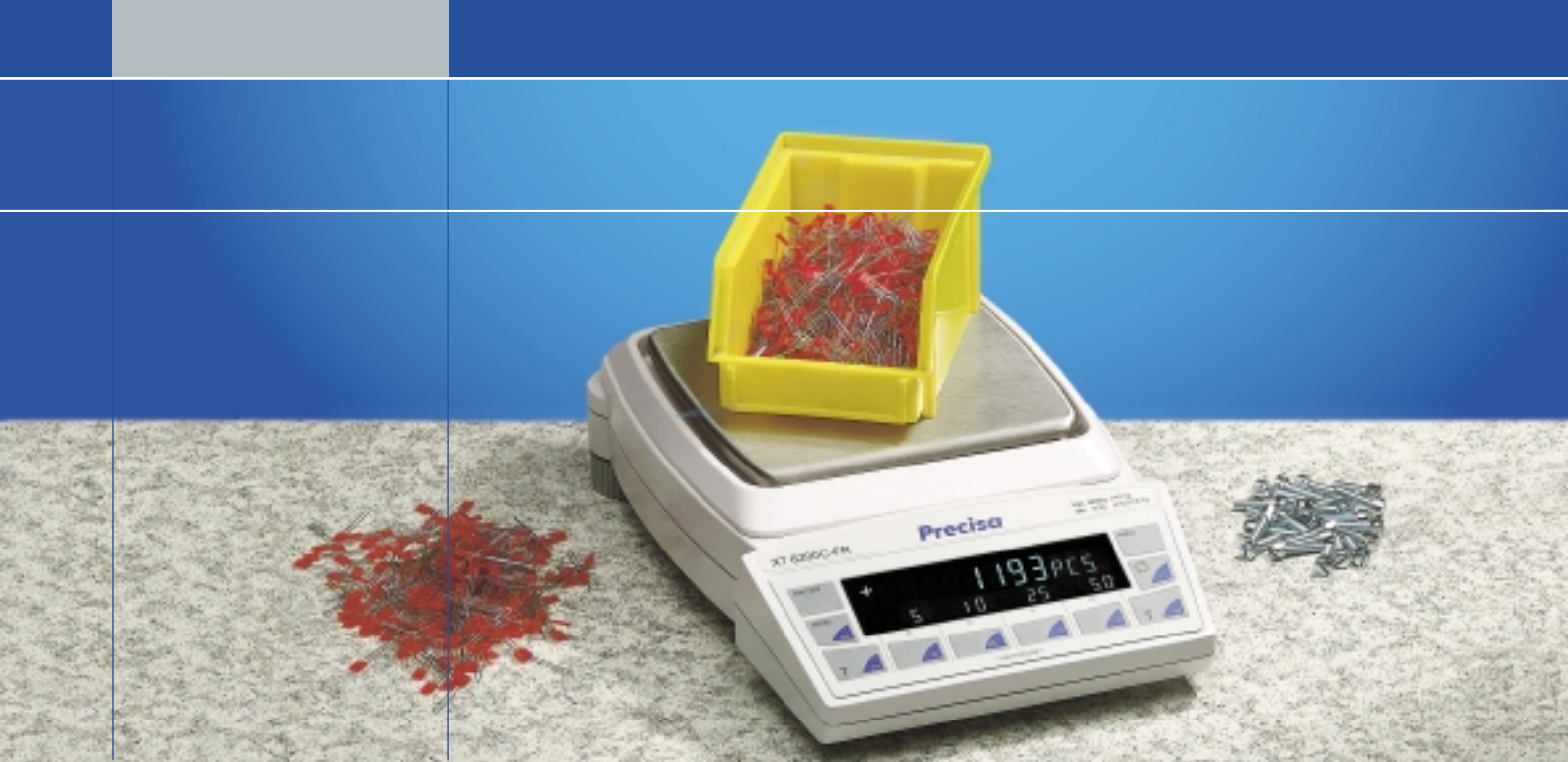
The 320XT series is available with IP65 industrial protection as an option. IP65 protects against ingress of dust and water splashes.

The balance is fitted with a protective keyboard cover as standard.



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Series 320XT Technical specifications

Specifications	XT120A	XT220A	XT 220A-FR	XT 320M	XT 620M	XT 920M	XT1220M	XT 620M-FR
Weighing range	120 g	220 g	80 g / 220 g	320 g	620 g	920 g	1220 g	120 g / 620 g
Readability	0.1 mg	0.1 mg	0.1 mg / 1 mg	1 mg	1 mg	1 mg	1 mg	1 mg / 10 mg
Taring range subtractive	120 g	220 g	220 g	320 g	620 g	920 g	1220 g	620 g
Linearity	+/- 0.2 mg	0.2 mg	0.2 mg / 1 mg	1.5 mg	1.5 mg	1.5 mg	2 mg	1.5 mg / 10 mg
Self calibration system	SCS		built-in					
Indicator	Liquid crystal Fluorescent optional		Liquid crystal optional Fluorescent			Liquid crystal Fluorescent optional		Liquid crystal optional Fluorescent
Size (W / D / H)	mm 210/340/345	210/340/345	210/340/345	210/340/150	210/340/150	210/340/150	210/340/150	210/340/150
Balance pan chrome nickel steel	mm Ø 80	Ø 80	Ø 80	135 × 135	135 × 135	135 × 135	135 × 135	135 × 135
Draft shield	mm 270	270	270	open	open	open	open	open
Net weight	kg 6.9	6.9	6.9	5.5	5.5	5.7	5.7	5.5

Specifications	XT 1220M-FR	XT 2220M-DR	XT 1200C	XT 2200C	XT 4200C	XT 6200C	XT 4200C-FR	XT-6200C-FR
Weighing range	240 g / 1220 g	520 g / 2220 g	1200 g	2200 g	4200 g	6200 g	1200 g / 4200 g	2200 g / 6200 g
Readability	1 mg / 10 mg	1 mg / 10 mg	10 mg	10 mg	10 mg	10 mg	10 mg / 100 mg	10 mg / 100 mg
Taring range subtractive	1220 g	2200 g	1200 g	2200 g	4200 g	6200 g	4200 g	6200 g
Linearity	+/- 1.5 mg / 10 mg	2 mg / 10 mg	10 mg	15 mg	15 mg	15 mg	15 mg / 100 mg	15 mg / 100 mg
Self calibration system	SCS		built-in					
Indicator	Liquid crystal Fluorescent optional		Liquid crystal optional Fluorescent				Fluorescent Liquid crystal optional	
Size (W / D / H)	mm 210/340/150	210/340/150	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89	210/340/89
Balance pan chrome nickel steel	mm 135 × 135	135 × 135	170 × 170	170 × 170	170 × 170	170 × 170	170 × 170	170 × 170
Draft shield	mm open	open	—	—	—	—	—	—
Net weight	kg 5.7	5.7	5.1	5.1	5.5	5.5	5.5	5.5

Specifications	XT 3200D	XT 6200D	XT 8200D	XT 10200D	XT 6200D-FR	XT 10200D-FR	XT 10200G
Weighing range	3200 g	6200 g	8200 g	10200 g	1600 g / 6200 g	3200 g / 10200 g	10200 g
Readability	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g / 1 g	0.1 g / 1 g	1 g
Taring range subtractive	3200 g	6200 g	8200 g	10200 g	6200 g	10200 g	10200 g
Linearity	+/- 0.1 g	0.1 g	0.15 g	0.15 g	0.1 g / 1 g	0.1 g / 1 g	1 g
Self calibration system	SCS		built-in				
Indicator	Liquid crystal Fluorescent optional		Liquid crystal optional Fluorescent				
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
Balance pan chrome nickel steel	mm 200 × 200	200 × 200	200 × 200	200 × 200	200 × 200	200 × 200	200 × 200
Draft shield	mm —	—	—	—	—	—	—
Net weight	kg 5.6	5.6	5.6	5.6	5.6	5.6	5.6

Specifications are subject to change without prior notice.



Accessories Precisa balances 320XT

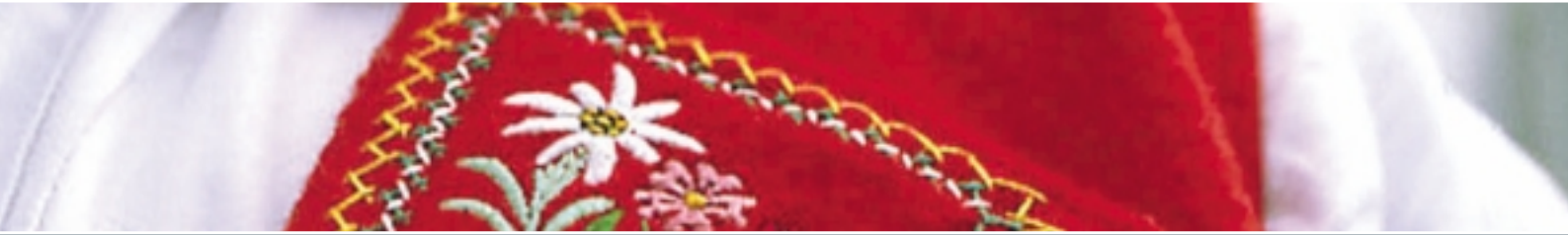
SCS / LCD Display	320-xxx-005
SCS / LCD Display / IP65	320-xxx-006
SCS / Fluorescent Display	320-xxx-007
SCS / Fluorescent Display / IP65	320-xxx-008
xxx = model number only for balances where not standard	
Remote / second display free standing	350-8504
Remote / second display to mount on balance	350-8505
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
Accupack 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 worldwide warranty.



Precisa:
Swiss Precision, Swiss Quality, Swiss made.

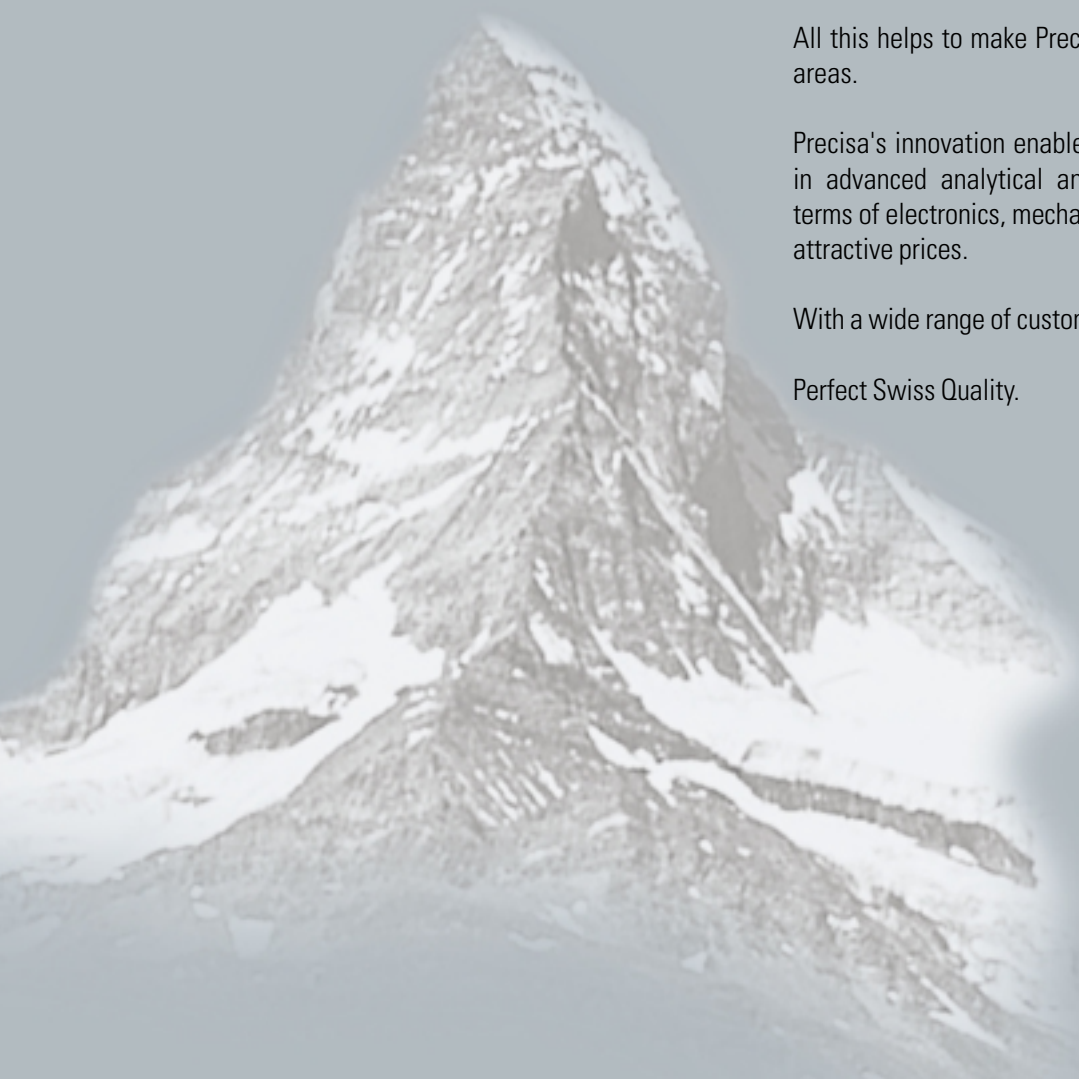
Precisa Instruments AG are continually investing heavily in the development of new technologies. They fund comprehensive, wide-ranging research by an in-house team of highly skilled engineers and technicians at the Swiss headquarters. In addition, Precisa works closely with national and international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

All this helps to make Precisa instruments 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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