Precisa
THE BALANCE OF QUALITY

SWISS MADE
SWISS TECHNOLOGY

PRODUCT OVERVIEW
BALANCES AND ANALYTICAL INSTRUMENTS

PRECISA DNA:
ZERO COMPROMISE

Laboratory and industrial technicians are aware of the significance of the results they provide. That is why they are unwilling to accept any compromise in their field of work. And that is precisely why leading specialists around the world place their trust in Precisa. And have done for decades.

PRECISA DNA:
SWISS PRECISION

Precisa products are prime examples of Swiss perfection and reliability. They are tried and tested in both demanding laboratory environments and industrial applications, and are subject to rigorous quality controls throughout the entire manufacturing process. Precisa invests continuously in developing new technologies and employs a highly qualified team. The result is a state-of-the-art range of precision instruments for the most exacting demands.

SERIES 390

HF, HA, HE, HM

PREMIUM

Semi-Micro & Analytical Balances
Readability/weighing range: 0.01 mg, 0.1 mg / up to 520 g

The Series 390 balance range is setting new standards with a balance that offers touch screen technology, frameless automatic draft shield, self linearization and self calibration.

FEATURES

- 7" high resolution responsive touch screen.

- Touchless sensor operation.

- High performance weighing system with digital signal processing, predictor and stability indicator.

- Integrated context help and support at your fingertips.

- Versatile communication and interfaces as standard.

- Frameless draft shield.

- Extensive user management with various possibilities and access rights.

- Electronic levelling for improved precision.

	Series 520		Series 165	Series 490			Series 410	
	PT	PB	BJ	ISK	ITK	IBK	SRS	SRC
APPLICATIONS								
(plot etc.)	✓	✓	✓	✓	✓	✓	✓	✓
(%)	✓	✓	✓	✓	✓	✓		
(⁛)	✓	✓	✓	✓	✓	✓	SRM	SRM
(☁)	✓	✓	✓	✓	✓	✓		
(DDW)	✓	✓		✓	✓			
(⚒)	✓	✓		✓	✓	✓		
(+/−)	✓	✓		✓	✓	✓	SRD	SRD
(Σ)	✓	✓	✓	✓	✓	✓		
(MIX)								
(⚙)	✓	✓	✓	✓	✓	✓		
(●▶)	✓	✓		✓	✓	✓		
(⁙)	✓		AC	✓	✓			
(BEST)	AC							
(MBW)				✓	✓			
(⚲)								
(ART)	✓	✓		✓	✓	✓		
(MSW)	✓			✓	✓			
(MSP)	✓	✓						

SERIES 520

Analytical & Precision Balances

Readability/weighing range: 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / up to 10200 g

The Precisa PHASTbloc™ weighing cell provides a technically perfect, easy-to-use, attractive, economical and sustainable balance. Discover the innovations of the 520 series.

FEATURES

- 5" anti-reflective colour touch screen, frameless, shock and scratch resistant.

- Electronic level indicator with levelling guide.

- Complete user management up to 15 users.

- 6.4" touch area, operable with laboratory gloves.

- Customizable user interface - user can decide what functions and information is displayed.

- Self calibration system always ensures maximum measuring accuracy.

- Versatile communication options as standard.

Precisa
SWISS MADE

Max. 220g / Min. 0.01g d=0.0001g e=0.001g   Administrator - 19.12.2019 13:25

Weighing

SERIES 520

PB

Analytical & Precision Balances

Readability/weighing range: 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / up to 10200 g

The Precisa PHASTbloc™ weighing cell provides a technically perfect, easy-to-use, attractive, economical and sustainable balance. Discover the innovations of the 520 series.

FEATURES

- Particularly recommended for routine work.

- User friendly membrane key pad size.

- Perfectly suitable for industrial areas for working environnment.

- Versatile communication options as standard.

- Customizable user interface - user can decide what functions and information is displayed.

- Self calibration system always ensures maximum measuring accuracy.

SERIES 360

EP, ES

Semi-Micro, Analytical and Precision Balances

Readability/weighing range: 0.01 mg, 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / up to 12200 g

The 360 Series owes its extremely high reliability and durability to the well-known competence of Precisa's engineering and development.

FEATURES

- Fully automatic internal calibration system (SCS).

- High-contrast backlit LCD.

- High resolution weighing cell with optimised electronic control.

- Die-cast aluminium housing of the balance.

- Versatile Communication and Interfaces as Standard.

- Clock with date and time.

- Compact, ergonomic design and programmable softkeys for easy operation.

- Automatic operating draft shield.
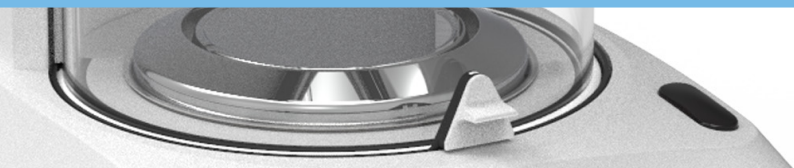
SERIES 321

Analytical & Precision Balances

Readability/weighing range: 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1g / up to 10200 g

The Series 321 balance range meets and exceeds user expectations regarding design, functionality and reliability of a modern weighing instrument.

FEATURES

- Draft shield design which is operable from both sides.

- Tool-free dismantling and assembling in seconds for easy cleaning.

- Three different models, three different choices of interfaces.

- Optional IP65 rating.

- Versatile Communication and Interfaces as Standard.

- Precisa BUS for various accessories.

- Outstanding ease of use and functionality.

- Can be easily cleaned in your dishwasher.

SERIES 165

Precision Balances

Readability/weighing range: 1 mg, 0.01 g, 0.1 g, 1 g / up to 8100 g

Covering basic needs economically. Precisa offers a compact balance while simultaneously meeting new challenges for a balance that is uncompromising in quality.

FEATURES

- Large LCD back-lit display.

- Battery operated with 9V alkaline battery.

- Many integrated features and applications.

- Easy and intuitive operation with just 5 keys.

- RS232 connectivity.

- IP65 rated upon request.

- Take advantage of rugged portability in a full-size 'bench grade' balance.

SERIES 490

IBK, ITK, ISK

Industrial Scales
Readability/weighing range: 0.1 g, 1 g / up to 60100 g

The Precisa Series 490 range of industrial scales represents the best in Swiss Precision. Built for all areas of industrial weighing where high precision is required.

FEATURES

- High-contrast, Vacuum Fluorescent Display (VFD).

- Resolution up to 0.1 g.

- Rugged metal housing.

- Multi-functional terminals for weighing, counting, finished pack control.

- RS232 connectivity.

- Economical service and maintenance costs.

- Fully automated internal calibration of time and temperature control.

SERIES 410

SRS, SRC

High Load Scales

Readability/weighing range: 5 g, 10 g, 20g / up to 300 kg

A simple and cost-effective solution to platform scales with capacities of up to 300 kg with readabilities of 5 g to 20 g, depending on the capacity.

FEATURES

- Clearly legible, back-lit LCD

- Plastic or metal housing terminal

- Platform available in painted steel or stainless steel

- IP65/IP67 protection.

- RS232 connectivity.

- Remote Monitoring on PC via Network.

SERIES 365, 330, 335

EM, XM
MOISTURE ANALYZERS

Moisture Analyzers
Readability/weighing range: 0.1 mg, 1 mg / up to 310 g

For the most accurate measurements and results of moisture content, Precisa excels with a wide range of moisture analyzers for research, production and quality control.

FEATURES

- Large customizable graphical user interface

- Fast, error-free moisture analysis

- Choice of heating element: halogen, infrared or dark radiator for every model

- Service-friendly

- A compact footprint & highly informative display

- Generous memory capacity, with storage for up to 100 methods

- Operate at temperatures up to 230°C

SERIES 340

prepASH 229, 219, 212 TGA

Automatic Moisture & Ash Analyzers
Readability/weighing range: 0.1 mg / up to 120 g and up to 29 samples

The latest generation of thermogravimetric analysis instruments for efficient, fully automated measurement of moisture, ash and loss on ignition operating at temperatures up to 1000°C.

FEATURES

- Built-in high performance analytical balance

- Massive reduction in the work-load through the simultaneous evaluation

- Over 36 hours analysis time available.

- Selectable atmosphere (N_2, O_2, Air), exhaust option for measuring sulfate-ash.

- Well connected standalone device. No additional computer required.

- High reproducibility through defined conditions in a closed system; error free.

- Printout: graphics, tables, methods and statistics.

- Measurements meet the requirements of DIN, ASTM, ICC and others.

ICONS

The following symbols stand for the most important features and applications of Precisa balances and provide a fast overview of each product.

FEATURES

Swiss made		Swiss technology	
Colour touch screen		USB device (for PC)	
Backlit graphic LCD		Human Interface Device (for PC)	
Backlit LCD		LAN Ethernet connection	
Vacuum fluorescent display		WiFi connection	
Self-linearization system, fully automated		Bluetooth connection	
Self-calibration system, fully automated		Communications modules (LAN, WiFi, USB host, Bluetooth, ...)	
External Calibration, with calibration warning		Touchless-Sensor (draft shield, tare, print, ...)	
Motorized draft shield (works with TLS automatic)		External I/O (tare, print, ..., relay)	
Clock (GLP/GMP printout, auto-cal, etc.)		Precisa BUS	
Below balance weighing		EU/OIML type approval	
Anti-theft protection (mechanical and code)		Integrated alibi memory (with EU type approval)	
Easy alphanumeric input		Support IQ/OQ/PQ	
Direct tare and reference weight entry		Integrated audit trail	
Identifier and label handling		Electrostatic cancellation system	
RS232 interface (for PC/printer)		Ambient observation system	
USB host (barcode, flash drive, ...)			

APPLICATIONS

Units, g, mg, ozt, lb, tael, etc.		Statistics	
Percent weighing		Recorder	
Piece counting		Density Determination (of liquids, solids, ...)	
Animal weighing		Buoyancy error supression technology	
Dynamic Difference Weighing (e.g weighing on a ship)		Multilevel back weighing	
Free conversion, Area conversion		Pipette calibration, optionally with evaporation trapweighing	
Check weighing		Automatic repeatability test	
Net total application (add up, summation, dosing)		Minimum sample weight (USP, Chapter 41)	
Mixtures, Recipes		Maintenance service package	

FEATURE MATRIX

The following matrix directly corresponds and can be used in conjunction with the icons description fold-out to conveniently find the most suitable product for your application.

	Series 390				Series 360		Series 321		
	HF	HA	HE	HM	EP	ES	LT	LX	LS
FEATURES									
(cross)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(cross TEC)									
LCD TS	✓	✓	✓	✓					
LCD GR					✓				
LCD BL						✓			
VFD							✓	✓	✓
SLS	✓	✓	✓	✓					
SCS					✓	✓	✓	AC	AC
(battery)								✓	✓
MDS	✓	✓	✓		✓				
(card)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(clock)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(lock)	✓	✓	✓	✓	✓	✓	✓	✓	✓
ABC 123	✓	✓	✓	✓	✓				
(keypad)	✓	✓	✓	✓	✓				
IDS	✓	✓	✓	✓	✓				
232	✓	✓	✓	✓	✓	✓	✓	✓	✓
USB host	✓	✓	✓	✓	AC				
USB device	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID	OD	OD	OD	OD	OD	AC	AC	AC	AC
(network)	✓	✓	✓	✓	AC	AC	AC	AC	AC
(wifi)	AC	AC	AC	AC	AC	AC	AC	AC	AC
(bluetooth)	AC	AC	AC	AC	AC	AC	AC	AC	AC
(exchange)					✓				
BUS						OD	OD	OD	OD
TLS	✓	✓	AC		✓				
I/O	OD	OD	OD	OD	OD	AC	AC	AC	AC
e	AC	AC	AC	AC	AC	AC	AC	AC	AC
(icon)	OD	OD	OD	OD					
PD	✓	✓	✓	✓	✓	✓	✓	✓	✓
(icon)	✓	✓	✓	✓					
ECS	✓	AC	AC						
AOS	✓	AC	AC						

	Series 520		Series 165	Series 490			Series 410	
	PT	PB	BJ	ISK	ITK	IBK	SRS	SRC
FEATURES								
[+]	✓	✓		✓	✓	✓		
[TEC]			✓					
[LCD TS]	✓							
[LCD GR]								
[LCD BL]		✓	✓				✓	✓
[VFD]				✓	✓	✓		
[SLS]								
[SCS]	AC	AC		✓	✓	✓		
[battery]	✓	✓	✓				✓	✓
[MDS]								
[card]	✓	✓	✓	✓	✓	✓		
[arrow]	✓	✓	✓	✓	✓	✓		
[lock]	✓	✓	✓	✓	✓	✓		
[RBC 123]	✓			✓				
[keypad]	✓			✓	✓			
[IDS]	✓			✓				
[232]	✓	✓	✓	✓	✓	✓	✓	✓
[USB host]	✓	✓						
[USB device]	✓	✓						
[HID]	✓	✓		AC	AC	AC		
[ethernet]	AC	AC	AC	AC	AC	AC		
[wifi]	AC	AC	AC	AC	AC	AC		
[bluetooth]	AC	AC	AC	AC	AC	AC		
[exchange]								
[BUS]				OD	OD	OD		
[TLS]	OD	OD						
[I/O]	OD	OD		AC	AC	AC		
[e]	OD	OD		AC	AC	AC		
[audio]	✓	✓						
[IO PD]	✓	✓	✓	✓	✓	✓		
[icon]	✓							
[ECS]								
[AOS]								

APPLICATION MATRIX

The following matrix directly corresponds and can be used in conjunction with the icons description fold-out to conveniently find the most suitable product for your application.

	Series 390				Series 360		Series 321		
	HF	HA	HE	HM	EP	ES	LT	LX	LS
APPLICATIONS									
(print etc.)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(%)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(⚬⚬)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(⚬)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(DDW)	✓	✓	✓	✓	✓	✓	✓	✓	
(✕)	✓	✓	✓	✓	✓	✓	✓	✓	
(+/−)	✓	✓	✓	✓	✓	✓	✓	✓	
(Σ)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(MIX)									
(✓)	✓	✓	✓	✓	✓	✓	✓	✓	
(●▶)	✓	✓	✓	✓	✓	✓	✓	✓	
(⚬⚬⚬)	✓	✓	**AC**	**AC**	✓	✓	✓	✓	✓
(BEST)	✓	✓	**AC**	**AC**	✓	✓			
(MBW)					✓	✓			
(⚲)					✓	✓			
(ART)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(MSW)	✓	✓	✓	✓	✓	✓			
(MSP)	✓	✓	✓	✓					

TECHCOMP GROUP

In addition to Precisa, Techcomp Europe comprises of
the following companies:

Froilabo

Dynamica

scion
INSTRUMENTS

EDINBURGH
SENSORS

EDINBURGH
INSTRUMENTS

Isotopx

ISO 9001:2015
BUREAU VERITAS
Certification
N° CH10355934