



SWISS MADE
IN PERFECTION:
Weighing and
analysis instruments
from Precisa.



PRECISA DNA: ZERO TOLERANCE.



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.

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

FEATURES



Swiss Made



Colour Touch Screen Display



LCD



LCD backlit graphic display



LCD touch screen



LCD backlight



Vacuum Fluorescent Display



Self Linearization System



Fully automatic internal calibration system SCS



Automatic calibration warning



External calibration system



Interface RS232 for PC printer



USB Device



Swiss Technology



Communication options (USB host, bluetooth, wireless etc.)



Support IQ/OQ/PQ



Anti theft protection, password plus mechanical security



Direct tare entry (manual), direct reference weight entry



Clock (Printout GLP/GMP, Auto-Cal etc.)



Below balance weighing



Easy alpha-numeric input



Touchless sensors to operate draft shield, tare, print, ...



Electrostatic Cancellation System



Ambient Observation System



Optional evaporation trap for pipette calibration

APPLICATIONS



Units g, mg, oz, lb, tael, etc.



% weighing



Counting program



Animal Weighing



Dynamic Difference Weighing



Density determination



Free conversion
Area conversion
(paper program)



Statistics



Recorder



Net total application
Add-up summation
Dosage program



Check weighing
plus/minus



Minimum Sample Weight



Automatic Repeatability Test



Maintenance Service Package



Buoyancy Error
Suppression Technology



Multi-level-backweighing



Pipette calibration and
evaporation trap



PRECISA DNA: SWISS PRECISION.



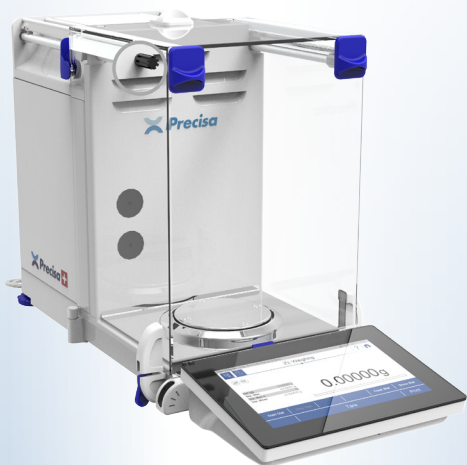
Precisa products are prime examples of Swiss perfection and reliability. They are tried and tested in both demanding laboratory environments and industrial applications, and are subject to rigorous quality controls throughout the entire manufacturing process. Precisa invests continuously in developing 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.



PRECISA DNA:

QUALITY WORLDWIDE.

Uncompromising standards in research, manufacture, design and customer service have made Precisa a world leader in the field of instrumentation. Precisa instruments are available in more than 100 countries and work reliably in tough everyday conditions in countless laboratories, research facilities and industrial corporations. Precisa users benefit from a competent service, fast reaction times and customer-oriented solutions. Anywhere, any time.



High-End balances

390 HF and HA Series

The all-round care package of Precisa's High-End technologies incl. a 7" high resolution color touch screen, internal linearization system, automatic draft shield with touchless sensors and much more! The 390 HF series is fully equipped with all options already installed!

SPECIAL FEATURES

- High resolution 7" color touch screen, frameless, shock and scratch resistant
- Intuitive SmartPhone operation with state of the application approach
- High performance weighing system with digital signal processing, predictor and stability indicator
- Fully automated internal calibration and linearization on time and temperature including calibration history
- Electronic precision spirit level indicator with levelling guide
- Ergonomic design with very low elevation of the weighing pan
- Touchless sensors programmable for different functions
- User navigation through applications with multi-lingual graphic display

- Integrated context help, any time
- Extensive user management
- Versatile connections e.g. to LIMS, USB, RS232 and Ethernet as standard other interfaces like WIFI, Bluetooth optional

OTHER FEATURES

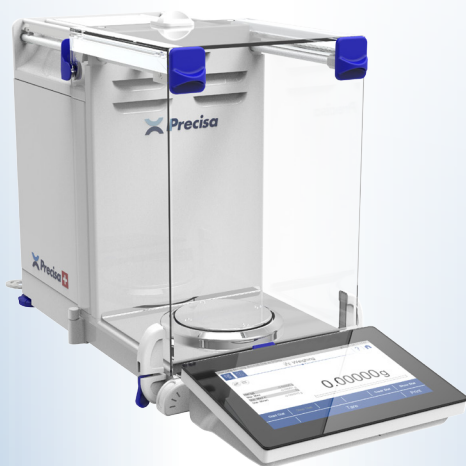
- All Add-On's such as Statistics, Minimum Sample Weight, ...
- All standard APP's such as Units, Percent, Count, Animal, ...
- All quality assurance and lab APP's such as Automatic Repeatability Test, Density Determination, Net-Total/ Summation, Buoyancy Error Suppression, ...

OPTIONS (included in 390 HF series)

- ECS Electrostatic Cancellation System
- AOS Ambient Observation System

Readability/weighing range: 0.01 mg, 0.1 mg / to 520 g





High-End balances

390 HE and HM Series

Precisa's High-End measuring system with 7" high resolution color touch screen and internal linearization system. Furthermore the 390 HE series includes an electric draft shield and is prepared for the touchless sensors to be installed.

SPECIAL FEATURES

- High resolution 7" color touch screen, frameless, shock and scratch resistant
- Intuitive SmartPhone operation with state of the application approach
- High performance weighing system with digital signal processing, predictor and stability indicator
- Fully automated internal calibration and linearization on time and temperature including calibration history
- Electronic precision spirit level indicator with levelling guide
- Ergonomic design with very low elevation of the weighing pan
- User navigation through applications with multi-lingual graphic display
- Integrated context help at any time
- Extensive user management

- Versatile connections e.g. to LIMS, USB, RS232 and Ethernet as standard other interfaces like WIFI, Bluetooth optional

OTHER FEATURES

- All Add-On's such as Statistics, Minimum Sample Weight, ...
- All standard APP's such as Units, Percent, Count, Animal, ...
- Quality assurance and lab APP's such as Automatic Repeatability Test, Density Determination

APP UPGRADE

- Net-Total and Summation, Buoyancy Error Suppression, Mixtures, ...

OPTIONS (not available for HM series)

- Touchless sensors, programmable
- ECS Electrostatic Cancellation System
- AOS Ambient Observation System

Readability/weighing range: 0.01 mg, 0.1 mg / to 520 g





Laboratory balances

360 EP Series

Precisa's flagship leaves virtually nothing to be desired and is impressively easy to operate thanks to a graphic display, electrical draft shield and many other attributes.

SPECIAL FEATURES

- Clearly legible, back-lit graphic LCD
- Automatic draft shield for analytical and semi-micro balances, operable on either side via IR sensors
- User navigation through complex applications thanks to a multi-lingual graphic display
- Compact, ergonomic design with a 12-button keypad and programmable softkeys for easy operation
- Versatile connections: RS232 and USB device as standard with other optional interfaces as slide-in modules

OTHER FEATURES

- Fully automated internal calibration of time and temperature including calibration history as standard
- Additional integrated applications for laboratory and quality assurance: pipette calibration, minimum sample weight, automatic buoyancy error suppression, density determination and many other applications

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times

Readability/weighing range: 0.01 mg, 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / to 12,200 g





Laboratory balances

360 ES Series

The high-end product with an outstanding price-performance ratio. A large, high-contrast LCD display and a draft shield operable on both sides are just two of many attractive features.

SPECIAL FEATURES

- Large, clearly legible, back-lit LCD
- Innovative draft shield: round and operable from both sides for high-precision measurements
- Outstanding ease of use and functionality: minimum sample weight, pipette calibration, conversion table, summation, density determination and many other applications
- Easy operation of complex applications thanks to a 10-button keypad and programmable softkeys

OTHER FEATURES

- Fully automated internal calibration of time and temperature as standard
- RS232 and USB device connections as standard
- Additional integrated applications for laboratory and quality assurance

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times
- Precisa BUS for various accessories

Readability/weighing range: 0.01 mg, 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / to 12,200 g





Laboratory balances

321 LT Series

Thanks to its softkeys, the 321 LT series handles your daily tasks, as piece counting or statistics, with ease. Even more complex problems are fluently solved and the result lights up on a high-contrast VF display.

SPECIAL FEATURES

- Extreme high-contrast, luminous VFD
- Simple rugged draft shield, operable from both sides
- Outstanding ease of use and functionality: Units conversion, piece counting, percent weighing, animal weighing, statistics, density determination, dynamic difference weighing, free conversion, add-up summation and many other applications
- Easy operation of complex applications thanks to a 10-button keypad and programmable softkeys

OTHER FEATURES

- Fully automated internal calibration of time and temperature as standard
- RS232 and USB device connections as standard
- Easy self-test by keystroke

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times
- Precisa BUS for various accessories

Readability/weighing range: 0.1mg, 1mg, 0.01g, 0.1g, 1g / to 10,200g





Laboratory balances

321 LX Series

The outstanding design of the latest product attracts as much attention as does its innovative touch-sensitive keypad and luminous VF display.

SPECIAL FEATURES

- softTOUCH: sophisticated operation via back-lit touch sensors
- blueLINE: high-contrast, luminous VFD
- easyCLEAN: easy-to-clean balance and draft shield
- Draft shield for perfect visual conditions
- Modern, appealing design

OTHER FEATURES

- Fully automated internal calibration of time and temperature (optional)
- RS232 and USB device connections as standard
- Versatile functionality: statistics, self-diagnosis, piece counter, percent weighing and many other applications

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times
- Precisa BUS for various accessories

Readability/weighing range: 0.1mg, 1mg, 0.01 g, 0.1 g, 1 g / to 10,200 g





Laboratory balances

321 LS Series

The series 321 combines proven weighing technology inside a metal housing and a washable keyboard to a rugged balance for each environment.

SPECIAL FEATURES

- Extreme high-contrast, luminous VFD
- Simple rugged draft shield, operable from both sides
- Ease of use with: Units conversion, piece counting, percent weighing, animal weighing, density determination and other applications
- Easy operation of complex applications thanks to a 10-button keypad and programmable softkeys

OTHER FEATURES

- Fully automated internal calibration of time and temperature (optional)
- RS232 and USB device connections as standard
- Easy self-test by keystroke

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times
- Precisa BUS for various accessories

Readability/weighing range: 0.1mg, 1mg, 0.01g, 0.1g, 1g / to 10,200g



VFD

ACW

232



Optional





Laboratory balances

320 XB^{BB} Series

A universal balance with a rugged membrane keypad and luminous VF display that has proven its reliability in tough industrial conditions.

SPECIAL FEATURES

- High-contrast, luminous VFD
- Compact design, small surface area

OTHER FEATURES

- Fully automated internal calibration of time and temperature (optional)
- RS232 and USB device connections as standard
- Standard weighing applications

PRECISA STANDARD

- Rugged metal housing
- IP65 protection (optional)
- Repairable, force-compensating weighing cell
- Faster reaction and settling times
- Precisa BUS for various accessories

Readability/weighing range: 0.1 mg, 1 mg, 0.01 g, 0.1 g, 1 g / to 10,200 g





Laboratory balances

165 BJ Series

The basic model: unadorned and inexpensive, but uncompromising in quality, reliability and ease of use.

SPECIAL FEATURES

- Clearly legible, back-lit LCD
- Compact and rugged
- Battery-operated
- Simple operation via a 5-button keypad
- Applications for the precious metal and gem trades

OTHER FEATURES

- Intelligent calibration mode
- Easy to clean
- Many integrated applications

PRECISA STANDARD

- Plastic housing with a metal baseplate inside the device

Readability/weighing range: 1mg, 0.01 g, 0.1 g, 1 g / to 12,100 g





Moisture analysers

330 XM Series

Broad model range of moisture analysers for the most exacting demands in research, manufacturing and quality control.

FEATURES

- Fast, error-free moisture analysis with an outstanding measuring performance and extremely precise measurement accuracy
- Choice of heating element: halogen, infrared or dark radiator for every model
- High temperature range up to 230°C
- High memory capacity (up to 100 freely programmable methods)
- Initial samples up to 310 g
- Easy to use, easy to clean, service-friendly
- Perfect quality assurance
- «easy access» sample holder
- Printed results in GLP guideline format

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

EM 120-HR



XM^{BB} 60/66



XM 50





Drying and ashing

prepASH 340 Series

The latest generation of thermogravimetric analysis instruments for efficient, fully automated measurement of dry mass/moisture content, volatile components and ash/ignition loss on up to 29 samples simultaneously.

FEATURES

- Temperature scope from 50 °C to 1,000 °C
- Integrated analytical balance 0.0001 g
- Easy operation thanks to an integrated touch-screen
- Time-savings of up to 80 % through in-process sample weighing, no loss through cooling phases or back-weighing
- Automatic determination and storage of the constant weight
- High reproducibility through defined conditions in a closed system; error sources typical of separate systems for drying / ashing and weighing do not apply

Readability/weighing range: 0.0001 g / to 120 g





Industrial scales

490 IBK / ITK / ISK Series

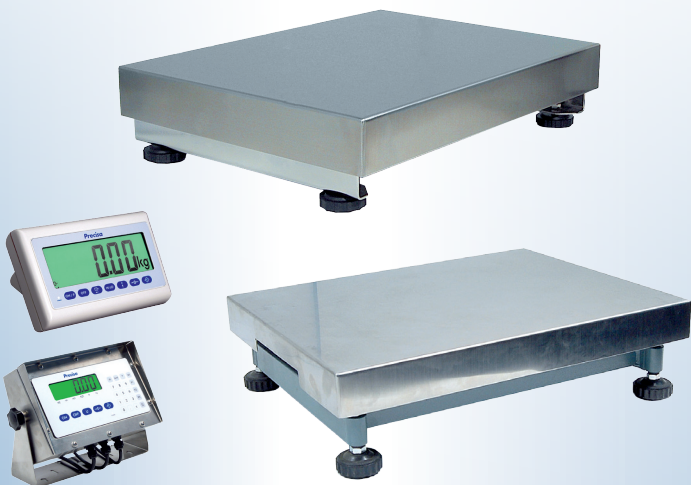
A high-resolution, rugged weighing system for all areas of industrial weighing technology with exacting demands on accuracy.

FEATURES

- Very high-contrast, luminous VFD
- High resolution up to 0.1g
- Multi-functional terminals for various applications
- Fully automated internal calibration of time and temperature as standard
- RS232 and USB device connections as standard
- Rugged metal housing
- IP65 protection (optional)
- Faster reaction and settling times
- Low service and maintenance costs
- Easy to clean
- Many integrated industrial applications as standard

Readability/weighing range: 0.1 g, 1 g / to 60,100 g





Industrial scales

410 SRS / SRC Series

Rugged and reliable scales for many years of use.

FEATURES

- Clearly legible, back-lit LCD
- Two terminal variants
- Platform available in painted steel or stainless steel
- RS232 device
- IP65/IP67 protection
- High stability and reliability

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



THE TECHCOMP GROUP

The following companies belong with Precisa to the internationally active Techcomp Group:



Froilabo is a specialist for heating and refrigeration cabinets and offers various specialised systems for forced ventilation and shock freezing as well as incubating machines and centrifuges and a wide range of refrigeration cabinets that work at -85°C. The products of the Lyon-based French manufacturer are sold throughout the world. Thanks to continuous improvement, these brand products enjoy an outstanding reputation and convince every user through their reliability and performance.



The range of bio-scientific instruments manufactured by Dynamica includes spectrophotometers, GCs, plate readers/washers and centrifuges. Dynamica laboratory instruments are used in the fields of life sciences, chemistry, pharmaceuticals and training. A team of experts based in Milton Keynes in Great Britain provides efficient user support.



EI specialises in the design and production of fluorescence spectrophotometers for research laboratories. Furthermore, EI produces a wide range of gas sensors with NIR technology for a broad variety of industrial applications.

THE PRECISA QUALITY STANDARDS:

- Rigorous quality controls throughout the entire production process
- Production in accordance with ISO 9001 specifications
- Fulfilment of the strictest requirements of international certification authorities (DIN, OIML)
- Developed and manufactured in Switzerland by highly qualified specialists

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Technical modifications reserved



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