EXECUTIVE PRO Precisa 360 EP

Semi-micro	Analytical	Precision

Precisa

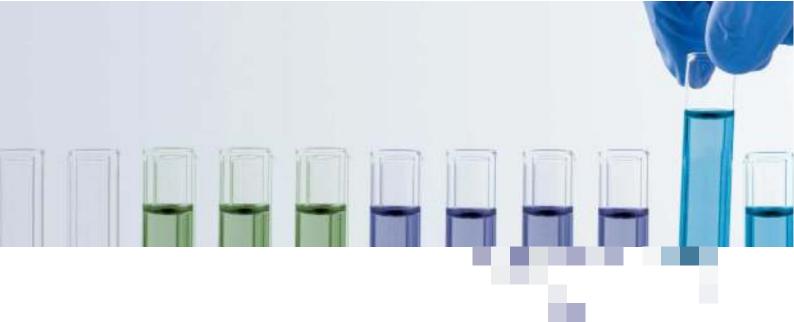■ The Balance of Quality ■

With the 360 EP series, Precisa is setting new standards in the demanding area of high-end laboratory balances: innovative, high-tech instrumentation which includes the latest technical developments, unique performance features, best user-interface and the most modern design to establish the 360 EP series as the very bench-mark for modern laboratory technology. Those users who will not accept any compromise in their working environment may enjoy the reassuring certainty that for many years they can rely on an extremely accurate laboratory instrument which features the latest technology and renowned Swiss Quality. Day after day.

Paolo Fancelli, Designer

Compactly styled design

Designed along smooth, flowing lines

Easy-to-read display

Impressive design

The modern, slim design by designer Paolo Fancelli gives our compact, integrated technology an impressive form and positions the new series visually in a class of its own.

Expanded weighing range

Precisa balances distinguish themselves through their high weighing ranges, as yet unsurpassed in the market. Milligram resolution balances with weighing ranges of greater than one kilogram, or balances with a weighing range of eight kilograms and a readability of one hundredth of a gram.

Life-long reliability

The premium workmanship of our robust die-cast aluminum housing underlines the quality and durability of Precisa products, especially apparent with the 360 series. The balances offer a high degree of protection against mechanical and electrical interference and operate to highest levels of precision from the initial weigh-in procedure through to the final result.

Intuitive user-interface

The structured access to the menu and the clearly presented, easy to read display offers simplicity of operation which until now has simply not been available. A few examples of the versatile control offered by the 360 EP series include the start-up display which can be personalised, freely selectable display options and softkeys for direct menu navigation. Furthermore, additional information can be zoomed onto the main display and the useful Language Tool makes it easy for the user to load his or her own language and characters onto the balance display.

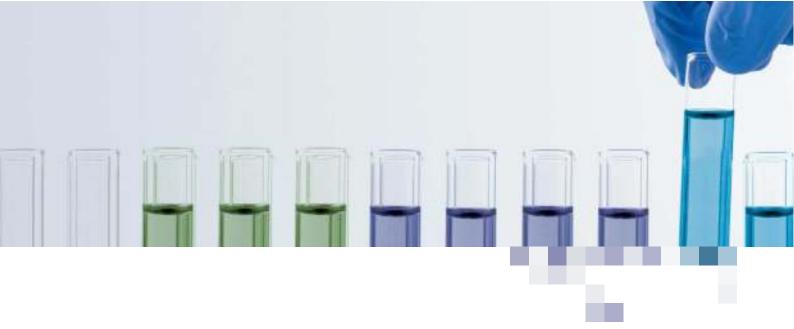Pure Swiss precision at the heart of the balance

Highly precise technology

The 360 series owes its extremely high reliability and durability to the well-known competence of Precisa's engineering and development and, as a result, exceeds all established industry standards. The weighing cell is of the highest mechanical quality, and operates extremely precisely; it can also be repaired easily and economically. Moreover, our fully automatic, programmable time and temperature controlled calibration system ensures absolute accuracy.

Menu-driven, screen-guided applications

Highest degree of functionality

A wide variety of specific applications is easily selectable and guarantees the highest degree of functionality. The freely programmable storage area offers the option to download additional, user-specific applications via the internet. As the result, the 360 EP series provides an extremely broad spectrum of applications.

Advanced, versatile connectivity

Versatile connectivity

Precisa's new, advanced insert technologies, featuring the slide-in module, provide a range of connection options which until now have not been available. The interchangeable inserts assure connection to future communication technologies.

Options	360 EP
Protection IP65: protection against ingress of dust and low-pressure water jets, fitted at factory, not available for all types	on demand

Series 360, slide-in modules	360 EP
USB Host	350-8665
Ethernet wired	350-8666
Ethernet wireless	350-8667
Bluetooth	350-8668
RS 485	350-8669

Additional Application & Features

SmartBox® Applications, Precisa BUS accessories and further special accessories and options on demand

Accessories	360 EP
Draft shield 320 XB, height 260mm, requires adapter for 1mg, 0.01g, 0.1g and 1g balances*	350-8519
Draft shield 320 XB, height 180mm, requires adapter for 1mg, 0.01g, 0.1g and 1g balances*	350-8518
*adapter for 1mg, 0.01g, 0.1g and 1g balances	350-7402
Draft shield mg, glass with cover	320-8504
Hook for weighing below the balance	350-8527
Density kit for 0.01mg and 0.1mg balances Container size Ø= 75mm, h= 100mm	350-8515
Density kit for solids only (w/o Glass body and Hook) for 0.01mg and 0.1mg balances Container size Ø= 75mm, h= 100mm	350-8556
Glass body 10ccm for density determination of liquids	350-7054
Downholder for samples with density < 1 g/cm3	350-7194
Evaporation trap for pipette calibration complete for 0.01mg and 0.1mg balances	350-8581
Adapter to assemble Eppendorf Humidty Trap for 0.01mg and 0.1mg balances	350-8596
Animal weighing bowl complete for 0.01g balances	350-8550
Animal weighing bowl complete for 0.1g and 1g balances	350-8551
Diamond weighing pan	350-8322
Dust cover 360 for the whole balance, set of 20 pieces	350-8663
Anti-theft device	350-8555
Printer CBM910 230V - with cable and paper roll	350-8379
Printer CBM910 115V - with cable and paper roll	350-8380
Paper roll for Printer CMB910	350-8366
Ribbon for Printer CBM910	350-8367
Data cable DB9 Male / DB9 Female 1.5m (PC)	350-8672
Data cable DB9 Male / DB25 Male 1.5m (Printer)	350-8673
Cable for balance 360 used as reference balance	350-8661
External USV accu power pack, for continuous operation	350-8662
Power supply / Adapter with Euro plug for balances with IP65 protection (80V - 240V)	350-8372

Features and Applications

Swiss made.

LCD backlit graphic display (no backlit for 0,01 mg balances)

Fully automatic internal calibration system SCS

Easy alpha-numeric input

Interface RS232 for PC printer

USB Device

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

Support IQ/OQ/PQ

Anti theft protection - password and mechanical

Direct tare entry (manual), direct reference weight entry

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

Below balance weighing

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

% weighing

Counting program

Animal Weighing

Density determination

Check weighing plus/minus

Net total application Add-up summation Dosage program

Free conversion Area conversion (paper program)

Statistics

Recorder

Minimum Sample Weight

Automatic Repeatability Test

Multi-level-backweighing

Buoyancy Error Suppression Technology

Pipette calibration and evaporation trap

Dynamic Difference Weighing

Precisa EP Series: Technical Specifications

Semi-micro Balances 0.01 mg

Model	Capacity	Readability	Repeatability	Linearity	Pan Size (mm/inch)	Reponse time
EP 125SM	125 g	0.01 mg	0.03 mg	0.06 mg	Ø 80/3.1	10 s
EP 225SM-DR	102 g / 225 g	0.01 mg / 0.1 mg	0.03 / 0.1 mg	0.06 / 0.2 mg	Ø 80/3.1	10 / 3 s

Dimensions (WxLxH) 240x360x345 mm — Net weight 6.6 kg
Draft shield inside dimensions (WxLxH) 170x170x230 mm — Sensitivity drift (10...30°C) 1.5 ppm / °C

Analytical Balances 0.1 mg

Model	Capacity	Readability	Repeatability	Linearity	Pan Size (mm/inch)	Reponse time
EP 120A	120 g	0.1 mg	0.1 mg	0.2 mg	Ø 80/3.1	3 s
EP 220A	220 g	0.1 mg	0.1 mg	0 2 mg	Ø 80/3.1	3 s
EP 320A	320 g	0.1 mg	0.15 mg	0.3 mg	Ø 80/3.1	3 s
EP 420A	420 g	0.1 mg	0.15 mg	0.4 mg	Ø 80/3.1	3 s
EP 520A	520 g	0.1 mg	0.15 mg	0.4 mg	Ø 80/3.1	4 s
EP 420A-FR	120 g - 420 g	0.1 mg - 1 mg	0.15 / 1 mg	0.3 / 1 mg	Ø 80/3.1	3 s

Dimensions (WxLxH) 240x360x345 mm — Net weight 6.6 kg
Draft shield inside dimensions (WxLxH) 170x170x230 mm — Sensitivity drift (10...30°C) 1.5 ppm / °C

Precision Balances 1 mg

Model	Capacity	Readability	Repeatability	Linearity	Pan Size (mm)	Reponse time
EP 320M	320 g	1 mg	1 mg	1.5 mg	135 x 135	3 s
EP 620M	620 g	1 mg	1 mg	1.5 mg	135 x 135	3 s
EP 920M	920 g	1 mg	1 mg	1.5 mg	135 x 135	3 s
EP 1220M	1 220 g	1 mg	1 mg	2 mg	135 x 135	3 s
EP 2220M	2 220 g	1 mg	1 mg	2 mg	135 x 135	4 s
EP 620M-FR	120 g - 620 g	1 mg - 10 mg	1 mg / 0.01g	1.5 mg / 0.01g	135 x 135	3 / 2 s
EP 1220M-FR	240 g - 1 220 g	1 mg - 10 mg	1 mg / 0.01g	1.5 mg / 0.01g	135 x 135	4 / 3 s

Dimensions (WxLxH) 240x360x150 mm — Net weight 5.5 to 5.7 kg
Draft shield inside dimensions (WxLxH) 170x170x35 mm — Sensitivity drift (10...30°C) 2.0 ppm / °C

Precision Balances 0.01 g

Model	Capacity	Readability	Repeatability	Linearity	Pan Size (mm)	Reponse time
EP 1200C	1 200 g	0.01 g	0.01 g	10mg	200 x 200	2 s
EP 2200C	2 200 g	0.01 g	0.01 g	15mg	200 x 200	2 s
EP 4200C	4 200 g	0.01 g	0.01 g	15mg	200 x 200	3 s
EP 6200C	6 200 g	0.01 g	0.01 g	15mg	200 x 200	3 s
EP 8200C	8 200 g	0.01 g	0.01 g	15mg	200 x 200	3 s
EP 6200C-FR	2 200 g - 6 200 g	0.01 g - 0.1 g	0.01 g / 0.1 g	15mg / 0.1g	200 x 200	3 s
EP 8200C-DR	3 200 g / 8 200 g	0.01 g / 0.1 g	0.01 g / 0.1 g	15mg / 0.1g	200 x 200	3 s

Dimensions (WxLxH) 240x360x91 mm — Net weight 5.1 to 5.6 kg
No draft shield — Sensitivity drift (10...30°C) 2.0 ppm / °C

Precision Balances 0.1 - 1 g

Model	Capacity	Readability	Repeatability	Linearity	Pan Size (mm)	Reponse time
EP 6200D	6 200 g	0.1 g	0.05 g	0.1g	200 x 200	2 s
EP 8200D	8 200 g	0.1 g	0.1 g	0.15g	200 x 200	2 s
EP 12200D	12 200 g	0.1 g	0.5 g	0.15g	200 x 200	2 s
EP 12200G	12 200 g	1 g	0.5 g	1 g	200 x 200	2 s

Dimensions (WxLxH) 240x360x91 mm — Net weight 5.6 kg
No draft shield — Sensitivity drift (10...30°C) 2.0 ppm / °C

Common Specifications

Floating display	Temperature range	Line voltage, Tolerance	Stability settings	Power consumption	Frequency
adjustable	0 .. 40 °C	115V / 230V, +15% /- 20%	adjustable	12 VA	50 - 60 Hz

Precisa
■ The Balance of Quality ■

ISO 9001
BUREAU VERITAS
Certification
N°189724