

Laboratory Analytical Balances



Executive Pro

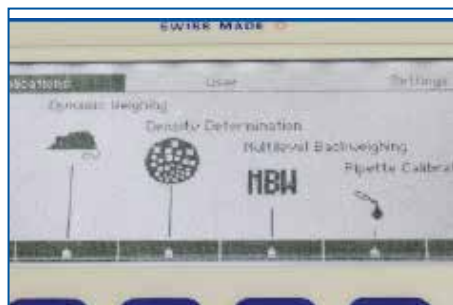
For more than 70 years, Precisa has been providing the finest weighing equipment available anywhere in the world.

With the Executive Pro Series, Precisa is setting new standards of weighing excellence in the high-end laboratory balance. The premium workmanship of the robust die-cast aluminum housing, coupled with the finest engineering materials and design, provides excellent protection against mechanical and electrical interference. This allows the balance to operate at the highest levels of precision, from the initial weigh-in period through to the final result.

The EP Analytical balance performs to specification, all day, every day. And with features such as the unique hands free auto rotating draft shield, SCS self-calibration system and the intuitive user settable operation, the balance will handle any task you set for it. Executive Pro provides you with a comprehensive solution to demanding laboratory tasks and allows you to provide and capture critical results.

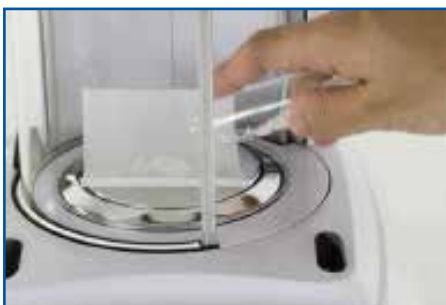


Made in Switzerland



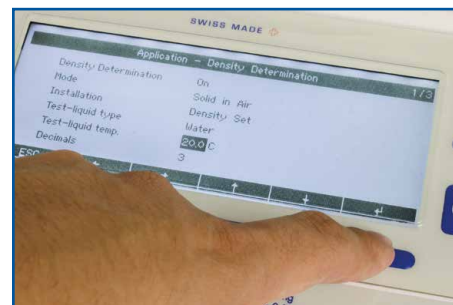
Intuitive Graphic Interface

The structured access to the menu and the clearly presented, easy to read, multi-lingual graphic display offers simplicity of operation.



IR Sensor Draft Shield

The IR sensor automatic draft shield operates effortlessly with a wave of your hand...either hand, allowing you to enter the chamber easily from either side.



Integrated Applications

Integrated applications for laboratory and quality assurance: pipette calibration, minimum sample weight, automatic buoyancy error suppression, density determination and many other applications.

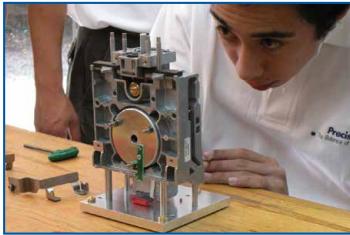
Laboratory Superior Standard

Swiss designed technology and Swiss build quality make this the reliability standard of the industry.

The LS models are finely honed to offer precision results, yet built to withstand tough conditions in industrial applications, with a high degree of protection from mechanical and electrical interference. The strikingly brilliant vacuum fluorescent display and intuitive keypad prompts offer simple navigation, even in harsh lighting conditions. The Precisa LS range also offers high weighing ranges to milligram resolution.



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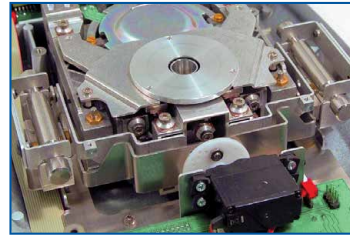
Life-long Reliability

The LS Series offers a high degree of protection against mechanical and electrical interference and operates with the highest levels of precision. The technology used can also be easily and economically repaired by qualified service technicians.



Programmable Menu

The easy to use menu allows you to quickly set up the balance to your exact requirements, for instance, language (English French or German), weighing, counting, print formats, password protection and anti-theft code.



SCS Self Calibrating System

The SCS developed by Precisa allows truly automatic calibration. This function can be temperature and/or timer programmed so you always have a precisely calibrated instrument when you need it. (GLP/GMP)



Data Management

Data is easily transferred to systems such as LIMS via a USB or RS 232 interface. A date and time stamp keeps you in control in regulated environments (GLP/GMP)



Laboratory Prime

Designed, temperature compensated and inspected in Switzerland, these rugged series are built to withstand the rigors of tough industrial conditions. These versatile machines deliver results – simply.

 Designed, Temperature compensated and inspected in Switzerland



Vacuum Fluorescent Display

The strikingly brilliant display, coupled with intuitive prompts and the easy to program washdown keypad, make for an easy to use balance.



Calibration Warning System

Shows a warning message if the balance recognizes a significant temperature change and therefore a calibration is recommended.



Data Management

The range is equipped with all of today's standard weighing applications. All weighing data can be captured for further data processing via the built in RS 232 interface.



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Executive Pro



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Laboratory Superior Standard

























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Laboratory Prime












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	Model									
	EP 120A	EP 220A	EP 320A	EP 420A	EP 520A	LS 120A	LS 220A	LS 320A	XB 120A SCS	XB 220A SCS
Calibration	SCS Auto Self-Calibration System								SCS Auto Self-Calibration System	
Capacity	120 g	220 g	320 g	420 g	520 g	120 g	220 g	320 g	120 g	220 g
Readability	0.1 mg (0.0001 g)					0.1 mg (0.0001 g)			0.1 mg (0.0001 g)	
Recommended Minimum Load	0.0010 g					0.0010 g			0.0015 g	
Repeatability (Std. Dev.)	0.1 mg			0.15 mg		0.1 mg			0.1 mg	
Linearity	0.2 mg			0.4 mg		0.2 mg			0.2 mg	
Sensitivity Drift	(10...30°C) 1.5 ppm / °C					(10...30°C) 2 ppm / °C			(10...30°C) 2 ppm / °C	
Stabilization Time	<2 sec			<3 sec	<4 sec	<2 sec		<3 sec	<4 sec	
Normal Operating Environment	50°F to 85°F (10°C to 30°C) at 85% RH non-condensing									
Ultimate Operating Environment	0°C to 40°C at 70% RH non-condensing for SCS equipped units									
Weighing Units	g, mg, GN, dwt, oz t, oz, ct, C.M., tLH, tLM, tLT, mo, t, Bht									
Available Languages	English, French, German, Russian, Spanish					English, French, German			English, French, German	
Tare Range	100% Subtractive									
Power Source	AC/DC adapter 100 – 240 VAC input, output 12 VDC									
Construction	Die cast aluminum									
Display	Backlit LCD graphic display					Vacuum Fluorescent Display			Vacuum Fluorescent Display	
Pan Size	3.1 in 80 mm diameter					3.1 in 80 mm diameter			3.1 in 80 mm diameter	
Draft Shield Internal Dimensions (Diam. x H)	5.5 X 9.1 in 140 x 230 mm					6.7 x 6.7 x 9.1 in 170 x 170 x 230 mm			6.7 x 6.7 x 9.1 in 170 x 170 x 230 mm	
Overall Dimensions (W x D x H)	9.5 x 14.2 x 13.6 in 240 x 360 x 345 mm					9.0 x 15.0 x 13.6 in 228 x 381 x 345 mm			8.3 x 13.4 x 13.6 in 210 x 340 x 345 mm	
Connectivity	Standard: RS 232, USB Optional: Bluetooth, Wi-Fi, Ethernet					RS-232, USB			RS-232	
Net Weight	14.6 lb / 6.6 kg					14.6 lb / 6.6 kg			13 lb / 5.9 kg	
Shipping Weight	24 lb / 10.8 kg					22 lb / 10 kg			21 lb / 9.5 kg	

Specifications		EP Series	LS Series	XB Series
	Display Type			
	Infrared Automatic Draft Shield	✓		
	Manual Draft Shield	Optional	✓	✓
	SCS Auto Self Calibration System (time /temperature)	✓	✓	✓
	External calibration	✓	✓	✓
	RS 232 interface	✓	✓	✓
	USB interface	✓	✓	
	Slide-In modules (ethernet, bluetooth, etc)	Optional		
	Anti theft code	✓	✓	✓
	Anti theft ring	✓	✓	✓
	Direct tare input	✓		
	Clock (GLP/ GMP formats)	✓	✓	Optional
	Below balance weighing	✓	✓	✓
	Alpha numeric entry	✓		
	BEST Buoyancy Error Suppression Technology	✓		
	Minimum sample weight	✓		
	Units (g, mg, lb, ozt, etc.)	✓	✓	✓
	Recorder	✓		
	Automatic Repeatability Test	✓	✓	
	Multi Level Backweighing	✓		

Applications

	Statistics	✓		
	Weight in %	✓	✓	✓
	Counting pieces	✓	✓	✓
	Live animal weighing	✓	✓	✓
	Density determination	✓	✓	✓
	Checkweighing +/-	✓	✓	
	Total net, add up		✓	
	Area conversion (paper)		✓	
	Pipette calibration	✓		

About Precisa Gravimetrics AG


Uncompromising quality standards in research, manufacturing, design and after-sales service have made Precisa one of the leading brands in weighing instruments world-wide. The result is a state-of-the-art product range, which fully reflects traditional Swiss characteristics such as precision, quality and reliability –along with a complete range of customer specific benefits. Precisa instruments contain the features necessary to perform tests accurately and record results simply and efficiently. Precisa, with distribution in more than 100 countries around the world, is a division of Techcomp Europe Group, a leading manufacturer and distributor of analytical instruments, life science equipment and laboratory instruments.




About Intelligent Weighing Technology, Inc.



Intelligent Weighing Technology supplies a complete range of high-quality laboratory balances, industrial scales, load cells, and weighing accessories to the North American market. Its leadership team has more than 65 years' experience in the weighing and measurement business, both in the USA and worldwide. With its 8,000 square foot facility, Intelligent Weighing Technology offers increased product inventory for faster shipping. Built on a cornerstone of quality, precision, and service, Intelligent Weighing Technology provides its customers with the equipment they need, right on time.

 EP & LS Series manufactured by Precisa in Switzerland in an ISO 9001 certified facility

 XB Series designed, temperature compensated and inspected in Switzerland

Intelligent-Lab™ is a trademark of Intelligent Weighing Technology, Inc.
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