

## Laboratory High Precision (0.001 g) 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 High Precision balance performs to specification, all day, every day. And with features such as the 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.



## Laboratory Superior Standard

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

The LS series is 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 LS range also offers high weighing ranges to milligram resolution.

## Laboratory Prime

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



## Laboratory Classic

Designed, temperature compensated and inspected in Switzerland, the rugged high precision BJ balances are built to withstand the rigors of tough industrial conditions and are designed to provide excellent results at a minimum cost of ownership.





### Executive Pro

 Made in Switzerland

### Laboratory Superior Standard

 Made in Switzerland

| Model  | EP 320M   | EP 620M | EP 920M | EP 1220M | EP 2220M | LS 160M                                   | LS 320M | LS 620M | LS 920M                                   | LS 1220M |
|--|---|---------|---------|----------|----------|---|---------|---------|---|----------|
| Calibration                                  | SCS Auto Self Calibration System                                      |         |         |          |          | SCS Auto Self Calibration System          |         |         |   |          |
| Capacity                                     | 320 g   | 620 g   | 920 g   | 1220 g   | 2220 g   | 160 g                                     | 320 g   | 620 g   | 920 g                                     | 1220 g   |
| Readability                                  | 0.001 g   |         |         |          |          | 0.001 g                                   |         |         |   |          |
| Recommended Minimum Load                     | 0.01 g  |         |         |          |          | 0.01 g                                    |         |         |   |          |
| Repeatability (Std. Dev.)                    | 0.001 g   |         |         |          |          | 0.001 g                                   |         |         |   |          |
| Linearity                                    | 1.5 mg  |         |         | 2 mg     |          | 1.5 mg                                    |         |         | 2 mg                                      |          |
| Sensitivity Drift                            | (10...30°C) 2 ppm / °C  |         |         |          |          | (10...30°C) 2 ppm / °C                    |         |         |   |          |
| Stabilization Time                           | <1.5 sec  |         | <2 sec  |          | <3 sec   | <1.5 sec                                  |         |         | <2 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, kg, GN, dwt, oz t, oz, lb, ct, C.M., tLH, tLM, tLT, mo, t, Bht |         |         |          |          |   |         |         |   |          |
| Available Languages                          | English, French, German, Russian, Spanish                             |         |         |          |          | English, French, German                   |         |         |   |          |
| Tare Range                                   | 100% Subtractive  |         |         |          |          |   |         |         |   |          |
| Power Source                                 | AC/DC adapter 100 – 240 VAC input, output 12 VDC                      |         |         |          |          |   |         |         |   |          |
| Construction                                 | Die cast aluminum   |         |         |          |          | Die cast aluminum                         |         |         |   |          |
| Display                                      | Backlit LCD graphic display   |         |         |          |          | Vacuum fluorescent display                |         |         |   |          |
| Pan Size                                     | 5.3 x 5.3 in / 135 x 135 mm   |         |         |          |          |   |         |         |   |          |
| Draft Shield Internal Dimensions (Diam. x H) | 6.7 X 6.7 x 1.4 in<br>170 x 170 x 35 mm                               |         |         |          |          | 6.7 X 6.7 x 1.4 in<br>170 x 170 x 35 mm   |         |         |   |          |
| Overall Dimensions (W x D x H)               | 9.5 x 14.2 x 4.9 in<br>240 x 360 x 124 mm                             |         |         |          |          | 9.0 x 15.0 x 4.9 in<br>228 x 381 x 124 mm |         |         | 8.3 x 13.4 x 4.9 in<br>210 x 340 x 124 mm |          |
| Connectivity                                 | Standard: RS 232, USB<br>Optional: Bluetooth, Wi-Fi, Ethernet         |         |         |          |          | USB, RS-232                               |         |         |   |          |
| Net Weight                                   | 12.6 lb / 5.7 kg  |         |         |          |          | 12.2 lb / 5.5 kg                          |         |         |   |          |
| Shipping Weight                              | 17 lb / 7.8 kg  |         |         |          |          | 16.5 lb / 7.5 kg                          |         |         |   |          |

























### Laboratory Prime

 Designed, Temperature compensated and inspected in Switzerland

### Laboratory Classic

 Designed, Temperature compensated and inspected in Switzerland

|  |   |         |  |
|--|---|---------|--|
| Model  | XB 320M   | XB 620M | BJ 100M  |
| Calibration                                  | External Calibration  |         | External Intelligent Calibration Mode (ICM)                        |
| Capacity                                     | 320 g   | 620 g   | 102 g  |
| Readability                                  | 0.001 g   |         | 0.001 g  |
| Recommended Minimum Load                     | 0.015 g   |         | 0.020 g  |
| Repeatability (Std. Dev.)                    | 0.001 g   |         | 0.001 g  |
| Linearity                                    | 1.5 mg  |         | 2 mg   |
| Sensitivity Drift                            | (10...30°C) 1.5 ppm / °C  |         | (10...30°C) 2 ppm / °C   |
| Stabilization Time                           | <3 sec  |         | <3 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, kg, GN, dwt, oz t, oz, lb, ct, C.M., tLH, tLM, tLT, mo, t, Bht |         |  |
| Available Languages                          | English, French, German   |         |  |
| Tare Range                                   | 100% Subtractive  |         |  |
| Power Source                                 | AC/DC adapter 100 – 240 VAC input<br>output 12 VDC                    |         | AC/DC adapter 100 – 240 VAC input<br>output 9 VDC / 9 Volt battery |
| Construction                                 | Die cast aluminum   |         | ABS  |
| Display                                      | Vacuum fluorescent display  |         | Backlit LCD display  |
| Pan Size                                     | 5.3 x 5.3 in / 135 x 135 mm   |         | 3.9 in / 100 mm  |
| Draft Shield Internal Dimensions (Diam. x H) | 6.7 X 6.7 x 1.4 in<br>170 x 170 x 35 mm                               |         | 5 x 1.75 in<br>127 x 44.5 mm                                       |
| Overall Dimensions (W x D x H)               | 8.3 x 13.4 x 4.9 in<br>210 x 340 x 124 mm                             |         | 7.5 x 10 x 4.5 in<br>191 x 254 x 115 mm                            |
| Connectivity                                 | RS 232  |         | RS 232   |
| Net Weight                                   | 12.6 lb / 5.7 kg  |         | 12.2 lb / 5.5 kg   |
| Shipping Weight                              | 14.5 lb / 6.6 kg  |         | 5.8 lb / 2.7 kg  |

| Specifications  | EP Series   | LS Series   | XB Series   | BJ Series   |
|---|---|---|---|---|
| Display Type  |  |  |  |  |
|  SCS Auto Self Calibration System (time /temperature) | ✓   | ✓   |   |   |
|  Automatic Calibration Warning                        |   |   | ✓   |   |
|  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  | 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   | ✓ | ✓ | ✓ | Optional |
|  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 & BJ Series designed, temperature compensated and inspected in Switzerland

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Weighing Technology

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