SJX Carat and Gold Series

Portable Electronic Balances

A Dynamic Weighing Experience with the Next Generation of OHAUS Carat and Gold Portable Balances

Designed for a wide range of regular and trading applications, the Class II certified SJX Carat and Gold balances are ideal for weighing jewelry, precious metals, gemstones etc. Equipped with superior overload protection, large backlit display, fast stabilization time, multiple weighing units, application modes and connectivity options, these slim balances offer a truly user-friendly weighing experience.

Standard Features Include:

- **Slim Design with LCD & Connectivity Options for a User-Friendly Experience**
  The bright white backlit LCD display of the Scout shows the net weight of precious metals and stones clearly. Multiple connectivity options are also available for data logging and communication.
- **Geared for the Job with Class II Approvals & Internal Calibration for Precision**
  Scout meets Class II accuracy requirements for countertop retail applications. Manual internal calibration allows easy calibration, ensuring the precision of the balance.
- **Fast Weighing Speed and High Resolution Deliver Repeatable and Reliable Results**
  Stabilization time as fast as 1 second means quick results and increased efficiency. Equipped with advanced weighing technology, the Scout also ensures repeatable and reliable weighing results.
- **Superior Overload Protection for Increased Durability**
  Integrated superior overload protection system enables the balance to hold weight up to 10 times its rated capacity, and protects it from damage. This ensures durability in everyday applications.

Scout® Portable Electronic Balances

Large LCD Display

The large backlit LCD display of the slim Scout provides operators a clear view of their weighing results. An optional auxiliary display can also be installed easily to provide additional weight notifications to customers in retail environments.

Scout has multiple connectivity options for convenient data logging and communication, as well as connecting to an auxiliary display. Options include - RS232, USB Host, USB Device, Ethernet and Bluetooth®*. With the USB Host option, you can simply save and transfer data from the balance to a USB drive. The Bluetooth option allows you to wirelessly operate the balance via a mobile device or tablet for Android™**.

Class II Approved Models

Approved models meet or exceed Class II accuracy requirements, making the new Scout ideal for commercial applications where reliability and precision are essential.

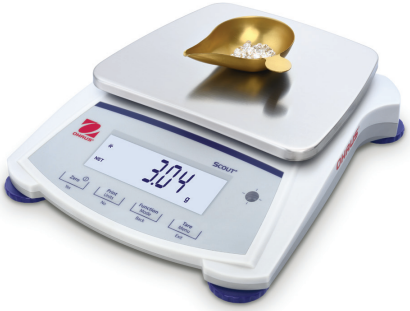
The Ingenious "Pull & Push" feature makes it easy to calibrate the balance manually. Regular calibration can ensure the balance's weighing performance, even in commercial trading mode. The balance is equipped with internal integral stainless steel weight which means that users don't need to worry about misplacing or finding extra space to store external masses.

Better Performance

Stabilization time as fast as 1 second and high resolution load cell with up to 150,000d resolution and readability to 0.001g, deliver extremely quick, precise and repeatable weighing results.

Superior Overload Protection

The superior mechanical overload protection system of the Scout is comprised of a high-strength stainless steel pan and an impact-resistant plastic pan support. This enables the balance to safely withstand loads up to 10 times its rated capacity.



Draftshield Model Available

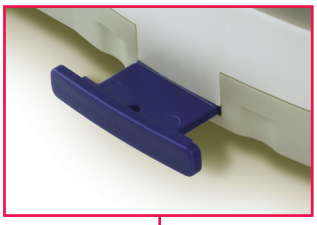
Scout's ingenious draftshield (1mg model only) was designed with an easy to remove top cover piece. This serves as a wind protection ring which keeps the weighing surface stable in rough environments, while maintaining weighing speed.

Built-in Application Modes

- **Weighing**—Determines the weight of items on the pan in the selected unit of measure.
- **Parts Counting**—Counts the number of pieces on the pan using a uniform weight.
- **Percent Weighing**—Measures the weight of a sample displayed as a percentage of a pre-established reference weight.
- **Check Weighing**—Compares the weight of a sample against target limits.
- **Totalization**—Measures cumulative weight of multiple items. Cumulative total may exceed balance capacity.
- **Density Determination**—Determines density of solids or liquid. With the integrated weigh below hook, it is possible to perform specific gravity tests for objects that cannot be easily placed on the weighing pan.
- **Display Hold**—Manually holds the last stable weight or the first highest stable weighing value on the display.

* The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by OHAUS is under license.
**Android is a trademark of Google Inc.

Draftshield
Protects the sample from external influences, increasing the speed and repeatability of measurements



Calibration
Scout SJX models feature a calibration tab for easy manual internal calibration

Connectivity
Expanded connectivity options include RS232, USB Host, USB Device, Ethernet and Bluetooth®

Security Slot
Integrated security slot prevents theft

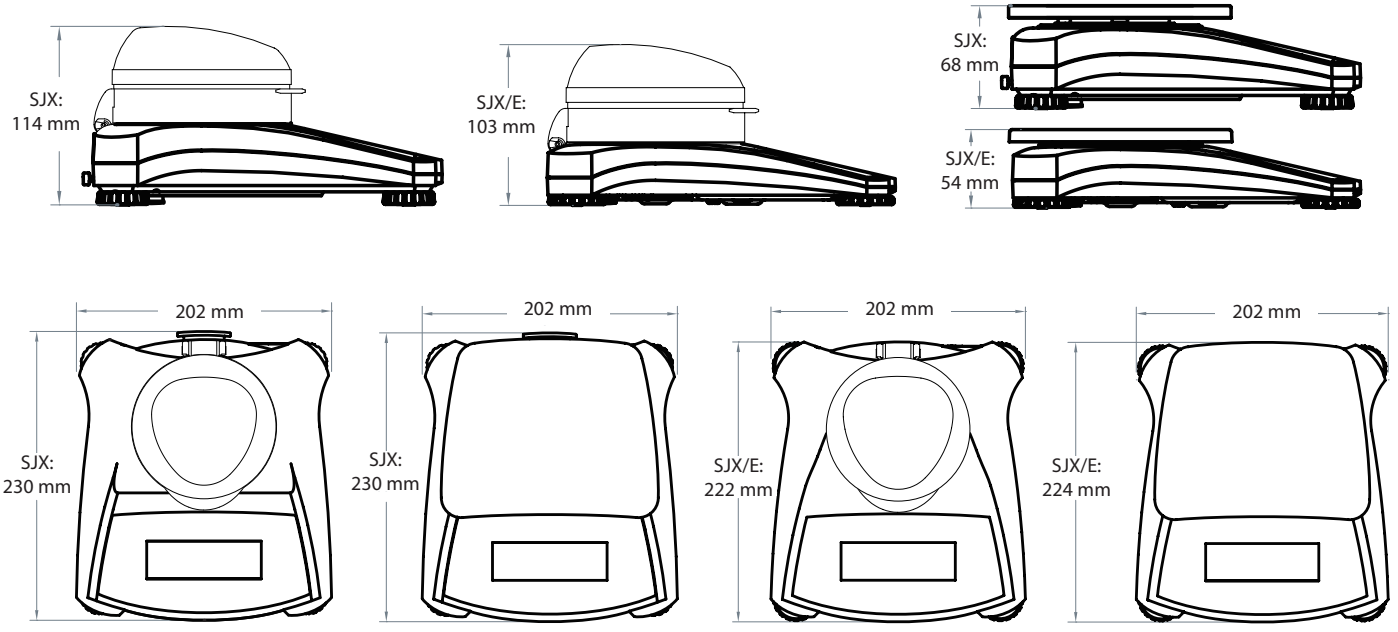
Large Backlit LCD Display
High contrast LCD Display shows weight and application data clearly, even in poor lighting conditions

Weigh Below Hook
A weigh below hook on the bottom of the Scout allows for density determination or specific gravity calculations

SJX—Integrated
SJX/E—Included
(SJX/E hook shown)

Lockswitch
The Scout can be locked into a specific configuration using the lockswitch

Outline Dimensions



Scout® Portable Electronic Balances

									Approved Models			
Internal Calibration Model	SJX323	/	SJX622	SJX1502	/	/	SJX6201	/	SJX323M	SJX622M	SJX1502M	SJX6201M
External Calibration Model	SJX323/E	SJX322/E	SJX622/E	SJX1502/E	SJX621/E	SJX3201/E	SJX6201/E	SJX8200/E	/	/	/	/
Capacity × Readability (g)	64 × 0.001	320 × 0.01	620 × 0.01	1500 × 0.01	620 × 0.1	3200 × 0.1	6200 × 0.1	8200 × 1	64 × 0.001	620 × 0.01	1500 × 0.01	6200 × 0.1
Capacity × Readability (ct)	320 × 0.005	1600 × 0.05	3100 × 0.05	7500 × 0.05	3100 × 0.5	16000 × 0.5	31000 × 0.5	41000 × 5	320 × 0.01	3100 × 0.5	7500 × 0.5	31000 × 5
Verification Interval e	N/A								0.1 ct (0.01 g)	0.1 g		1 g
Class	N/A								II			
Repeatability (Std. Dev.) (g)	0.002	0.01		0.02	0.1			1	0.002	0.01	0.02	0.1
Linearity (g)	0.003	0.01	0.02	0.03	0.1		0.2	1	0.003	0.02	0.03	0.2
Span Calibration Mass*	50 g	200 g	300 g	1.5 kg	300 g	3 kg	5 kg	8 kg	50 g	300 g	1.5 kg	5 kg
Linearity Calibration Mass	30, 60 g	200, 300 g	300, 600 g	1 kg, 1.5 kg	300, 600 g	1.5 kg, 3 kg	3 kg, 6 kg	4 kg, 8 kg	30, 60 g	300, 600 g	1 kg, 1.5 kg	3 kg, 6 kg
Stabilization Time (s)	1.5	1		1.5	1				1.5	1	1.5	1
Construction	ABS housing & stainless steel pan											
Draftshield	Yes	No							Yes	No		
Calibration	SJX/E: User-selectable external span or linearity calibration/Digital with external weight SJX: Manual internal calibration								Manual internal calibration			
Tare Range	Full capacity by subtraction											
Weighing Units	g, kg, ct, oz, ozt, dwt, lb, grn, hkt, sgt, twt, tical, tola								g, kg, ct			
Application Modes**	Weighing, Parts Counting, Percent Weighing, Check Weighing, Totalization, Density Determination, Display Hold											
Power Requirement	AC adapter (included) or 4 AA batteries (not included)											
Typical Battery Life	80 hours				120 hours	80 hours		120 hours	80 hours			
Communication	RS232, USB Host, USB Device, Ethernet or Bluetooth (available as an accessory, compatible only with Android OS device)											
Display Type	Liquid crystal display (LCD) with backlight											
Display Size	20 mm digits											
Overload Capacity	10 times rated capacity											
Operating Temperature Range	10°C to 40°C at 10% to 80% relative humidity, non-condensing								10°C to 30°C at 10% to 80% relative humidity, non-condensing			
Storage Conditions	-20°C to 55°C at 10% to 90% relative humidity, non-condensing											
Pan Size (W × D) (mm)	Ø93	Ø120		170 × 140					Ø93	Ø120	170 × 140	
Balance Dimensions - SJX/E (W × D × H) (mm)	202 × 222 × 103	202 × 224 × 54							N/A			
Balance Dimensions - SJX (W × D × H) (mm)	202 × 230 × 114	202 × 230 × 68							202 × 230 × 114	202 × 230 × 68		
Shipping Dimensions - SJX/E (W × D × H) (mm)	300 × 250 × 129	300 × 250 × 86							N/A			
Shipping Dimensions - SJX (W × D × H) (mm)	300 x 250 x 129											
Net Weight (SJX/E)	1 kg								N/A			
Net Weight (SJX)	1.1 kg	1.6 kg							1.1 kg	1.6 kg		
Shipping Weight (SJX/E)	1.5 kg								N/A			
Shipping Weight (SJX)	1.7 kg	2.2 kg							1.7 kg	2.2 kg		

* Calibration weights are included with 323 models only.
** Available weighing units and application modes vary by local regulations.

Other Standard Features and Equipment

Transportation lock, stainless steel pan, menu & calibration lockout switch, slip-resistant and adjustable feet, leveling bubble, mechanical and software overload/underload protection, stability indicator, auto tare, low battery indicator, auto shut-off, user-selectable printing options, user-selectable communication settings

Compliance

- **Metrology:** OIML R76, EN 45501 (Class II, nmax 15000)
- **Product Safety:** IEC/EN 61010-1; CAN/CSA C22.2 No. 61010-1; UL Std. No. 61010-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B; FCC Part 15 Class B; Industry Canada ICES-003 Class B

Accessories

RS232 Interface Kit 30268982
USB Host Interface Kit 30268983
USB Device Interface Kit 30268984
Bluetooth Interface Kit 30268985
Ethernet Interface Kit 30268986
Stacking & Storage Cover (6 pcs) 30268987
Stacking & Storage Cover (1 pc) 30268988
Printer, Impact, SF40A, EU 30064202
Auxiliary Display Kit 30269019
Security Device 80850043
Top Loading Kit for Density Determination 30269020
Carrying Case 30269021
In-use Cover 30269022

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