



# SJX Carat and Gold Series

Portable 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.
- **Internal Calibration for Precision**  
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 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 and Ethernet. With the USB Host option, you can simply save and transfer data from the balance to a USB drive.

## Easy Calibration

The Ingenious “Pull & Push” feature makes it easy to calibrate the balance manually. Regular calibration can ensure the balance’s weighing performance. 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.

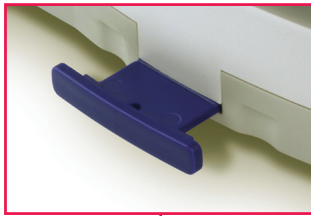
## Built-in Application Modes

- **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.





**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 including RS232, USB Host, USB Device and Ethernet



**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

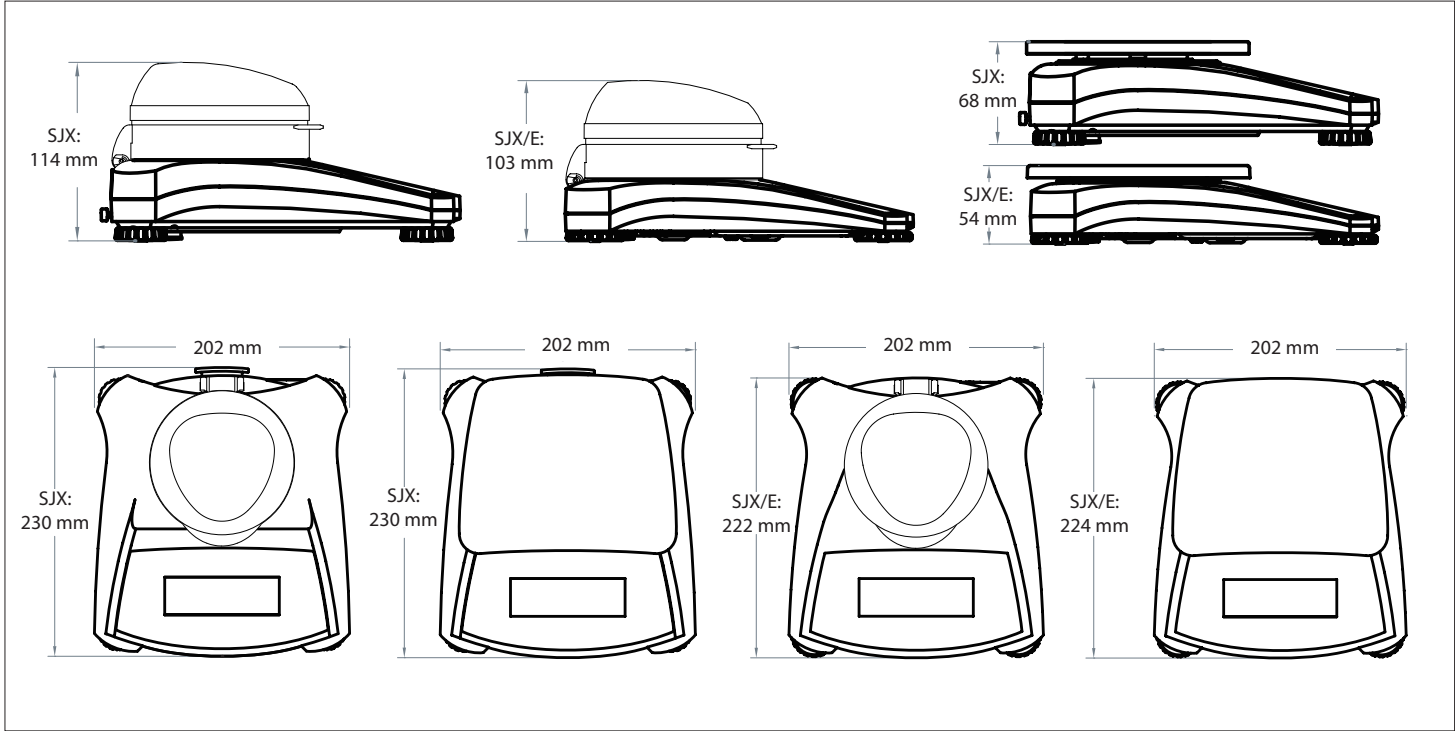


**Weigh Below Hook**  
A weigh below hook on the bottom of the Scout allows for density determination or specific gravity calculations  
SJX—Integrated  
SJX/E—Included (SJX/E hook shown)



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

**Outline Dimensions**



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Internal Calibration Model	SJX323	/	SJX622	SJX1502	/	/	SJX6201	/
External Calibration Model	SJX323/E	SJX322/E	SJX622/E	SJX1502/E	SJX621/E	SJX3201/E	SJX6201/E	SJX8200/E
Capacity	320 ct (64 g)	320 g	620 g	1500 g	620 g	3200 g	6200 g	8200 g
Readability	0.005 ct (0.001 g)	0.01 g		0.1 g		1 g		
Repeatability (Std. Dev.) (g)	0.002	0.01		0.02	0.1		1	
Linearity (g)	0.003	0.01	0.02	0.03	0.1		0.2	1
Span Calibration Mass*	50 g	200 g	300 g	1.5 kg	300 g	3 kg	5 kg	8 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
Stabilization Time (s)	1.5	1		1.5	1			
Construction	ABS housing & stainless steel pan							
Draftshield	Yes	No						
Calibration	SJX/E: User-selectable external span or linearity calibration/Digital with external weight SJX: Manual internal calibration							
Tare Range	Full capacity by subtraction							
Weighing Units	g, kg, ct, oz, ozt, dwt, lb, grn, hkt, sgt, twt, tical, tola							
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	
Communication	RS232, USB Host, USB Device or Ethernet(available as an accessory)							
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							
Storage Conditions	-20°C to 55°C at 10% to 90% relative humidity, non-condensing							
Pan Size (W x D) (mm)	Ø93	Ø120		170 x 140				
Balance Dimensions - SJX/E (W x D x H) (mm)	202 x 222 x 103			202 x 224 x 54				
Balance Dimensions - SJX (W x D x H) (mm)	202 x 230 x 114			202 x 230 x 68				
Shipping Dimensions - SJX/E (W x D x H) (mm)	300 x 250 x 129			300 x 250 x 86				
Shipping Dimensions - SJX (W x D x H) (mm)	300 x 250 x 129							
Net Weight (SJX/E)	1 kg							
Net Weight (SJX)	1.1 kg			1.6 kg				
Shipping Weight (SJX/E)	1.5 kg							
Shipping Weight (SJX)	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

- **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
Ethernet Interface Kit .....	30268986
Stacking & Storage Cover (6 pcs).....	30268987
Stacking & Storage Cover (1 pc).....	30268988
Printer, Impact, SF40A .....	30045641
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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