

# Scout® Pro

Portable Education Balances



## ***The OHAUS Scout® Pro Education Balance – Hands Down The Classroom’s Best Portable Balance!***

Designed for use in education applications, the OHAUS Scout® Pro features easy-to-use two-button operation, a high-contrast LCD display, multiple weighing units, five application modes, and the option of either RS232 or USB connectivity, the Scout Pro is the portable balance for your needs!

- **Maximum Protection** – Scout Pro is designed with mechanical and software protection against shock and overloading which can cause damage to the weighing cell. An integrated shipping lock protects the weighing cell during transportation or storage
- **RS232 or USB Connectivity** – Scout Pro interface accessories are easy to install at anytime, even after purchase. The data cable is integrated in the kit, eliminating the need for additional cables
- **Specific Gravity Software and Kit** – The Scout Pro Education Balance is designed with specify gravity software and an above balance kit which allows for specific gravity determination. The integral weigh below hook is a secondary setup method for specific gravity determination

# Scout® Pro Portable Education Balances

## Built-In Application Modes:

### Specific Gravity –

- Specific gravity calculation is automatic in weighing mode
- A Density/Specific Gravity kit is included with all Scout Pro Education Balances up to 4000g. It allows placement of sample and solution on top of balance when suspension of samples below the balance isn't practical.
- An integral weigh-below hook is part of the balance, so it can't be misplaced!



**Percent Weighing** – Use the *Percent Weighing* mode to compare samples for compounding, formulation, or quick weight checking. Place your reference weight on the platform, enter the weight into memory, and the display will show the percentage of the sample weight on the platform compared to the reference weight.

**Totalization** – Use Scout Pro's memory function to repeatedly sum the weight on the platform. Unlike other balances, the Scout Pro allows totalization up to the limit of the display!

**Display Hold** – The *Display Hold* mode allows you to retain the weight of an over-sized sample on Scout Pro's display.

**Parts Counting** – The Scout Pro is designed for flexibility when counting parts

- Select from a sample size of 5, 10, 20 or 50 pieces while in counting mode with a quick button press
- Scout Pro features user-enabled automatic recalculation of the average piece weight – instead of counting 100 parts for a sample, count 10 and let the Scout Pro count the rest of the sample! For applications where automatic recalculation is not desired, the easy-to-use menu system allows this feature to be disabled
- The Scout Pro can also be configured for situations where only the counting feature is required



**User-Configurable** – Scout Pro allows you to select active weighing units and modes using the two-button keypad. Scout Pro can be quickly configured using an on-display menu system – there are *no* cryptic codes to input! A built-in lockswitch prevents reconfiguration during use.

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## New Design for Portable Use



Milligram Model with Round Platform  
(draftshield included)



Round Platform



Square Platform

# Ohaus Scout® Pro Education Balance: Models and Weighing Units for Every Application.

*For all Grade Levels:*

- Elementary
- Middle School
- High School
- Junior College

*For all Science Applications:*

- Biology
- Chemistry
- Physics
- Physical Science
- Earth Science
- Prep Work
- Density/Specific Gravity
- Field Use

Scout Pro features the most common weighing units required for use in your classroom, lab, or in the field:

- Grams
- Kilograms
- Ounces
- Pounds
- Newtons

**Scout Pro Education Balance Unit Availability**

| Model       | SPE123* | SPE202 | SPE402 | SPE602 | SPE401 | SPE601 | SPE2001 | SPE4001 | SPE6001 | SPE6000 |
|-------------|---------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| Capacity    | 120g    | 200g   | 400g   | 600g   | 400g   | 600g   | 2000g   | 4000g   | 6000g   | 6000g   |
| Readability | 0.001g  | 0.01g  | 0.01g  | 0.01g  | 0.1g   | 0.1g   | 0.1g    | 0.1g    | 0.1g    | 1g      |
| g           | Yes     | Yes    | Yes    | Y      | Yes    | Yes    | Yes     | Yes     | Yes     | Yes     |
| kg          | -       | -      | -      | -      | -      | -      | Yes     | Yes     | Yes     | Yes     |
| oz          | Yes     | Yes    | Yes    | Yes    | Yes    | Yes    | Yes     | Yes     | Yes     | Yes     |
| lb          | -       | -      | -      | Yes    | -      | Yes    | Yes     | Yes     | Yes     | Yes     |
| N           | Yes     | Yes    | Yes    | Yes    | Yes    | Yes    | Yes     | Yes     | Yes     | Yes     |

\*draftshield included

**Connectivity**

An Ohaus first, you can quickly add either an internal RS232 or a USB port with integrated cable to the Scout Pro

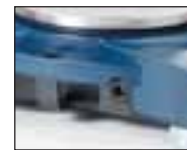


**Above-Balance/Specific Gravity Kit**

No need to suspend samples below the balance! Standard on all Education models up to 4000g

**Security Bracket**

Each Scout Pro features an integrated security bracket to prevent theft



**Round or Square Stainless Steel Platform**

Removable for easy cleaning

**Flexible Power**

Use either the included AC wallpack, or 4 "AA" batteries to power your Scout Pro

**Easy-to-Clean**

Sealed front panel and molded spill ring

**Integral Shipping Lock**

Quickly accessible under the weighing pan, the shipping lock allows you to lock and go!



**Easy to View**

High-Contrast LCD quickly displays weight and applications data, as well as an indicator for stability, over/underload conditions, and low battery power

**Lockswitch**

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



**Weigh-Below Hook**

The integral weigh-below-hook on the bottom of the Scout Pro allows density determination or calculating the specific gravity of samples



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## Specifications

| Model                         | SPE123  | SPE202             | SPE402                                 | SPE602               | SPE401            | SPE601                | SPE2001            | SPE4001            | SPE6001             | SPE6000           |
|-------------------------------|---|--------------------|--|----------------------|-------------------|-----------------------|--------------------|--------------------|---------------------|-------------------|
| Capacity (g)                  | 120*  | 200                | 400                                    | 600                  | 400               | 600                   | 2000               | 4000               | 6000                | 6000              |
| Readability (g)               | 0.001   | 0.01               |  |                      | 0.1               |                       |                    | 1                  |                     |                   |
| Repeatability (Std. Dev.) (g) | 0.003   | 0.01               |  |                      | 0.1               |                       |                    | 1                  |                     |                   |
| Linearity (g)                 | +/-0.003  | ±0.01              |  | ±0.02                | ±0.1              |                       |                    | ±0.2               | ±1                  |                   |
| Capacity x Readability (kg)   | N/A   | N/A                | N/A                                    | N/A                  | N/A               | N/A                   | 2.0000 x<br>0.0001 | 4.0000 x<br>0.0001 | 6.0000 x<br>0.0001  | 6.000 x<br>0.001  |
| Capacity x Readability (oz)   | 4.23290 x<br>0.00005  | 7.0550 x<br>0.0005 | 14.1095 x<br>0.0005                    | 21.645 x<br>0.0005   | 14.110 x<br>0.005 | 21.165 x<br>0.005     | 70.550 x<br>0.005  | 141.095 x<br>0.005 | 211.65 x<br>0.005   | 211.65 x<br>0.05  |
| Capacity x Readability (lb)   | N/A   | N/A                | N/A                                    | 1.32280 x<br>0.00005 | N/A               | 1.3230 x<br>0.0005    | 4.4090 x<br>0.0005 | 8.8185 x<br>0.0005 | 13.2280 x<br>0.0005 | 13.230 x<br>0.005 |
| Capacity x Readability (N)    | 1.1768 x<br>0.00001   | 1.9613 x<br>0.0001 | 3.9227 x<br>0.0001                     | 5.8840 x<br>0.0001   | 3.923 x<br>0.001  | 5.884 x<br>0.001      | 19.613 x<br>0.001  | 39.227 x<br>0.001  | 58.840 x<br>0.001   | 58.84 x<br>0.01   |
| Application Modes             | Specific Gravity, Parts Counting, Percentage Weighing, Totalization, Display Hold |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Tare Range                    | To Capacity By Subtraction  |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Over Range Capacity           | Capacity +90d   |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Stabilization Time            | 3 seconds   |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Operating Temp. Range         | 50° to 104°F / 10° to 40°C  |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Power Requirements            | AC Adapter (included) or 4 AA Batteries (not included)                            |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Calibration Type              | Digital Calibration from Keypad   |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Calibration Mass (Full Span)  | 100 g   | 200 g              | 400 g                                  | 600 g                | 400 g             | 600 g                 | 2000 g             | 4000 g             | 6000 g              | 6000 g            |
| Calibration Mass (Linear)     | 50 g  | 100 g              | 200 g                                  | 300 g                | 200 g             | 300 g                 | 1000 g             | 2000 g             | 3000 g              | 3000 g            |
| Display                       | High Contrast LCD with 6 digits 0.6in / 15mm high                                 |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Pan Size (in/cm)              | 3.6 / 9   |                    | 4.7 / 12 diameter                      |                      |                   | 6.5 x 5.6 / 16.5 x 14 |                    |                    |                     |                   |
| Dimensions WxHxD (in/cm)      | 7.5 x 4.4 x 8.3<br>19.2 x 10.8 x 21   |                    | 7.56 x 2.13 x 8.27 / 19.2 x 5.4 x 21.0 |                      |                   |                       |                    |                    |                     |                   |
| Net Weight (lb/kg)            | 1.5 / 0.7   |                    |  | 1.8 / 0.8            |                   |                       |                    |                    |                     |                   |
| Shipping Dimensions WxHxD     | 10 x 4 x 12 in / 25.4 x 10.2 x 30.5 cm  |                    |  |                      |                   |                       |                    |                    |                     |                   |
| Shipping Weight (lb/kg)       | 4 / 1.8   |                    |  |                      |                   |                       |                    |                    |                     |                   |

\*Draftshield included

## Standard Features/Equipment

Removable stainless steel weighing platform, high contrast LCD display, lockswitch, integral security bracket, integral shipping lock, integral weigh below hook, sealed front panel and molded spill ring, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, AC adapter, span calibration mass included on 200g, 400g and 600g models.

## Accessories

## Ohaus Number

|  |          |
|--|----------|
| Dot Matrix Printer .....   | 80252042 |
| Adapter, RS232 Scout Pro Interface to the Dot Matrix Printer ..... | 80251934 |
| Paper for Dot Matrix Printer .....                                 | 80251932 |
| Ink Ribbon for Dot Matrix Printer .....                            | 80251933 |
| Thermal Printer .....  | 80251992 |
| Paper for Thermal Printer .....                                    | 80251931 |
| Adapter, RS232 Scout Pro Interface to the Thermal Printer .....    | 80251930 |
| Ohaus Collect Software .....                                       | 80500746 |
| TAL Software WinWedge .....  | SW12W    |
| RS232 Interface (cable Included) for Scout Pro .....               | 71147376 |
| USB Interface (cable Included) for Scout Pro .....                 | 71147377 |
| Auxiliary Display Kit for Scout Pro .....                          | TAD7     |
| Security Device for Scout Pro .....                                | 76288-01 |
| Scout Pro In-Use Cover, Set of 3.....                              | 71168909 |
| Hard Shell Carry Case for Scout Pro .....                          | 77256-01 |

## Industry Leading Quality and Support

All Ohaus Scout® Pro balances are manufactured under an ISO 9001 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all Ohaus products for over a century.



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