



Education

High Performance Balances and Scales



**NEW
VIRTUAL LAB
BUNDLES!**

SEE SPECIAL INSERT INSIDE!



Best in Class

2012

Elementary Measurement Solutions

HARVARD JUNIOR™

Mechanical Balance
Grade Level: K-6 (ages 5 and up)

With its unique design, the Harvard Junior offers the combination of a colorful and inviting, plastic two-pan balance with the durability and accuracy of the more expensive Harvard Trip. The Harvard Junior is not only the most feature rich balance in its class but includes a FREE teacher-developed, classroom tested elementary activity guide focused on practical yet enjoyable activities that link science and math concepts, are standards-based, and utilize common items already found in your classroom or at home.

With the OHAUS Harvard Junior balance and its included activity guide, you'll introduce your young scientists to topics such as:

- ✓ Measuring with standard and non-standard units
- ✓ Estimation and measurement
- ✓ Conservation of mass
- ✓ Finding mass using deductive reasoning
- ✓ And so much more!

3 YEAR WARRANTY!

The OHAUS Harvard Junior features:

- ✓ A unique design offering increased durability and superior accuracy by employing a precision engineered metal beam for years of maintenance-free classroom use
- ✓ Dual style, interchangeable pans which allow for a broader range of objects to be weighed
- ✓ Stackability on either platform to maximize storage space when not in use
- ✓ A spring-loaded zero adjust knob & zero adjust compensation beam for precise measurements
- ✓ Manual damping device to speed up the weighing process



Stack your balances to maximize storage space when not in use!

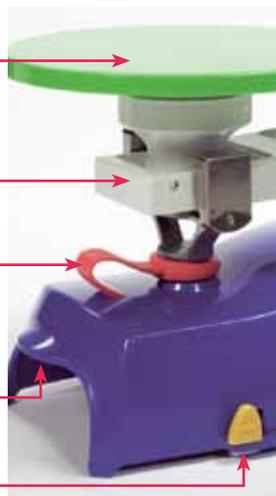
Removable bowl-type (above photo) or flat pans (right) allow weighing of a variety of materials

Metal beam provides years of maintenance-free classroom use

Built-in storage lock protects the weighing mechanism

Built-in carrying handle

Manual damping device speeds up weighing time



| Harvard Junior™ | |
|-----------------|---------------------------|
| Item # | HJ2001 |
| Capacity | 2000(g) |
| Readability | 0.5(g) |
| Mass Set | Included, 8pc Metal, 370g |
| List Price | \$90 |

BUY THE BUNDLE AND SAVE!

OHAUS Harvard Junior Measurement Bundle includes 2 Harvard Junior balances and 1 Measurement Kit. **Item # 80252097. List Price \$240**

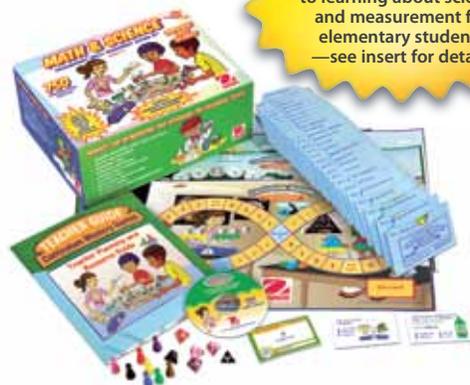
Introducing a self-guided, multi-sensory approach to learning about science and measurement for elementary students —see insert for details



8-piece, metal mass set included



WARNING:
CHOKING HAZARD – Small parts
Not for children under 3 yrs.



MEASUREMENT SKILLS ASSESSMENT REVIEW KIT

Making "Fun" of Measurement in the Elementary Classroom

Each kit contains:

- ✓ A set of 750 standards-based assessment review questions
- ✓ 12 game boards and enough materials for up to 36 students playing games simultaneously
- ✓ A presentation CD-ROM with 750 interactive assessment questions
- ✓ A comprehensive teacher planning and resource guide
- ✓ Built in links to hands on activities using the OHAUS Harvard Junior pan balance (sold separately)

Grade Level focus: Grades 2-6 (Ages 8-12)

The OHAUS Math & Science Measurement Skills Assessment Review Kit has been specifically developed to provide comprehensive coverage of standards-based measurement topics for elementary students in grades 3-5 (with an introductory set of questions leveled at grade 2 and an accelerated set of questions leveled at grade 6). It's a perfect way to teach and review measurement concepts taught in both math and science, and prepare your students for upcoming assessments.

Each game comes complete with enough materials to accommodate up to 36 students in review sessions from 5 to 30 minutes or more. All questions are grade appropriate and leveled by content and readability. Extend the measurement experience by utilizing the OHAUS Harvard Junior (sold separately) with the activities included in the Teacher Planning & Resource Guide.

The OHAUS Measurement Review Kit also features:

- ✓ Comprehensive coverage of up-to-date measurement concepts
- ✓ No consumable materials to purchase year after year
- ✓ Differentiated instruction capabilities accommodating visual, tactile, oral and aural learning styles
- ✓ Flexible design that accommodates lesson times from 5 to 30+ minutes
- ✓ Standard rules & game board configuration to maximize productive learning time
- ✓ Easy-to-follow instructions & minimal setup requirements

| Math & Science Measurement Review Kit | |
|---------------------------------------|-------|
| Item # | GM101 |
| List Price | \$80 |

Topics include:

- ✓ Estimations in Measurement
- ✓ Geometry and Measurement
- ✓ Time/Elapsed Time
- ✓ Measuring Volume
- ✓ Units of Weight
- ✓ Real World Applications
- ✓ Comparing Mass
- ✓ Which Weighs More?
- 25 TOPICS IN ALL!**

FREE PRESENTATION SOFTWARE WITH EACH KIT!



The OHAUS Measurement Mastery Game was developed using research-based principles and is designed for in-class review for grades 3-5 and Special Needs students. It's a great way to prepare & review for upcoming assessments, incorporate into after-school tutoring, individualized instruction, or summer learning programs.



WARNING:
CHOKING HAZARD – Small parts
Not for children under 3 yrs.

Elementary Balances



SCHOOL BALANCE

Introduce precision mass measurement to elementary grade students. This rugged, lightweight balance is the perfect tool for introducing the science of metrology. Weigh everyday objects, from paper clips to books, or demonstrate mass measurement concepts with the included mass set. Grades K-6 (Ages 5-12).

OHAUS Value:

Large, washable, weighing pans; easy-to-use zero adjustment ensures accuracy and repeatability; dual pointers allow viewing results from both sides; and 18 piece, plastic mass set included with balance.

PRIMER® BALANCE

Teach younger students basic mass measurement concepts.

This lightweight yet durable beginner balance is ideal for many simple classroom activities with both liquids and solids. Grades K-3 (Ages 5-9).

OHAUS Value:

Large, washable, 500 ml buckets; activity guide with 16 exercises; easy-to-use zero adjustment ensures accuracy and repeatability; dual pointers allow viewing results from both sides.



School balance



Primer balance

| | School Balance | Primer® Balance |
|------------------------------------|-------------------|-------------------|
| Item # | SB1200 | 80410-00 |
| Capacity | 2000(g) | 2000(g) |
| Readability | 0.5(g) | 1(g) |
| Polystyrene Platform W × H (in/cm) | 5.5 × 5.5/14 × 14 | 4 × 4/10.2 × 10.2 |
| List Price | \$40 | \$30 |

BUY THE BUNDLE AND SAVE!

School Balance Measurement Bundle includes six OHAUS School Balances and one Measurement Skills Assessment Kit.

Item # 80252137. List price \$290

Spring Scales

SPRING SCALES

Designed to deliver reproducible results time after time

Perfect for general weighing, force experiments, action-reaction demonstrations, and much more. Grades 5-12 (Ages 11 and up)



Dial Type Spring Scale

Pull Type Spring Scale

Pull Type Spring Scales

Grams & Ounces

| | | |
|-------------------------|----------------|------|
| 250g × 10g, 9oz × ¼oz | Item # 8001-MA | \$13 |
| 500g × 20g, 18oz × ½oz | Item # 8002-MA | \$13 |
| 2000g × 50g, 72oz × 2oz | Item # 8004-MA | \$13 |
| 100g × 1g | Item # 8261-M0 | \$14 |
| 200g × 2g | Item # 8262-M0 | \$15 |
| 500g × 5g | Item # 8263-M0 | \$15 |
| 1000g × 10g | Item # 8264-M0 | \$15 |
| 2000g × 20g | Item # 8265-M0 | \$15 |

Grams & Newtons

| | | |
|----------------------------|----------------|------|
| 250g × 10g, & 2.5N × 0.1N | Item # 8001-MN | \$13 |
| 500g × 20g, & 5N × 0.2N | Item # 8002-MN | \$13 |
| 1000g × 25g, & 10N × 0.25N | Item # 8003-MN | \$13 |
| 2000g × 50g, & 20N × 0.5N | Item # 8004-MN | \$13 |
| 5000g × 100g, & 50N × 1N | Item # 8008-MN | \$13 |

Pounds & Newtons

| | | |
|------------------------------|----------------|------|
| .56lb × 0.02lb, 2.5N × 0.1N | Item # 8001-PN | \$16 |
| 1.12lb × 0.04lb, 5N × 0.2N | Item # 8002-PN | \$16 |
| 2.25lb × 0.05lb, 10N × 0.25N | Item # 8003-PN | \$16 |
| 4.5lb × 1lb, 20N × 0.5N | Item # 8004-PN | \$16 |
| 11.25lb × 0.25lb, 50N × 1N | Item # 8008-PN | \$16 |

Dial Type Spring Scales

Grams & Ounces

| | | |
|-------------------------|----------------|------|
| 250g × 2g, 9oz × ¼oz | Item # 8011-MA | \$23 |
| 500g × 5g, 18oz × ½oz | Item # 8012-MA | \$23 |
| 2000g × 20g, 72oz × 1oz | Item # 8014-MA | \$23 |

Grams & Newtons

| | | |
|---------------------------|----------------|------|
| 250g × 2g, & 2.5N × 0.02N | Item # 8011-MN | \$23 |
| 500g × 5g, & 5N × 0.05N | Item # 8012-MN | \$23 |
| 1000g × 10g, & 10N × 0.1N | Item # 8013-MN | \$24 |
| 2000g × 20g, & 20N × 0.2N | Item # 8014-MN | \$23 |

Large Demonstration Dials

| | | |
|-------------------------------|----------------|------|
| Demonstration Dial 20hg × ½hg | Item # 8015-00 | \$49 |
| Demonstration Dial 20N × ½N | Item # 8016-00 | \$49 |
| Demonstration Dial 50N × 2N | Item # 8018-50 | \$55 |

Triple Beam Balances



Introducing brand new, interactive technology bundles featuring the OHAUS Triple Beam Pro —see insert for details.

TRIPLE PRO™

BEST IN CLASS Mechanical Balance

Accurate, dependable and truly the BEST IN CLASS; the OHAUS Triple Pro offers the convenience of a toploading balance while allowing your students to gain hands-on experience through manipulation of the poises, included attachment weights and rod & clamp assembly. The OHAUS Triple Pro is a true teaching tool for every grade level and is perfect for helping your students visualize mass measurement principles and emphasize a hands-on, minds-on approach to learning. Grades 4-12 (Ages 10 and up)

- ✓ The unique, easy grip carrying handle is ergonomically designed and perfectly balanced to allow for effortless movement around the classroom
- ✓ Two security features are included to prevent theft, a security loop and a Kensington-type lock (cables sold separately)
- ✓ Includes a convenient storage compartment located on the balance for the included attachment weight set when not in use
- ✓ A built-in transportation/storage lock helps to protect the longevity of the Triple Pro Balance by minimizing wear on the knives and bearings, and reducing the possibility of bending the damper vane when the balance is being delivered to your classroom or while stored during non-use
- ✓ Includes rod & clamp assembly for below balance weighing necessary for specific gravity determinations
- ✓ Backed by an incredible 10 year limited warranty only OHAUS can provide



| Triple Beam Pro™ | |
|------------------------|-------------|
| Capacity × Readability | 2610 × 0.1g |
| Item # | TP2611 |
| List Price | \$163 |

**INCREDIBLE
10 YEAR
WARRANTY!**



Triple Beam (Model TJ611)
3 Year Warranty



Triple Beam (Model 750-S0)
5 Year Warranty



Triple Pro (Model TP2611)
10 Year Warranty

TRIPLE BEAM BALANCE

The standard by which all others are measured

Whether you're in need of a basic but high quality mechanical balance or you're looking for the top-of-the-line model that gives you complete flexibility in the classroom, OHAUS has a triple beam for you. No matter which triple beam you choose, rest assured you can count on every OHAUS Triple Beam balance to be accurate and dependable time and time again. Grades 4-12. (Ages 10 and up)

All OHAUS Triple Beams feature:

- ✓ Three notched and tiered beams with center reading
- ✓ Spring loaded zero adjust compensator
- ✓ Outstanding engineering with precision design and solid construction
- ✓ Positive poise positioning ensures repeatable results
- ✓ Magnetic dampening to speed up weighing



CHOOSE THE OHAUS TRIPLE BEAM THAT'S RIGHT FOR YOUR CLASSROOM

| | BASIC MODEL | STANDARD MODEL | FULLY FEATURED-BEST VALUE |
|---------------------------------------|---|---|-----------------------------|
| Item # | TJ611 | 750-S0 | TP2611 |
| Capacity | 610g (2610g w/optional attachment weights) | 610g (2610g w/optional attachment weights) | 2610g |
| Readability | 0.1g | 0.1g | 0.1g |
| Warranty | 3 YRS | 5 YRS | 10 YRS |
| Attachment Weights | Sold separately | Sold separately | Included |
| Security Loop (Cable Sold Separately) | YES | YES | YES |
| Rod & Clamp | NA | Sold separately | Included |
| Kensington Security Slot | NA | NA | Yes (cable sold separately) |
| Transportation/Storage Lock | NA | NA | YES |
| Carrying Handle | NA | NA | YES |
| List Price | \$132 | \$147 | \$163 |

| Accessories | | |
|--|-------------------|-------|
| Metric Attachment Mass Set, 2 - 1000g, 1 - 500g, for Metric Triple Beam Balance | Item # 707-00 | \$42 |
| Avoirdupois Attachment Mass Set, 2 - 2lb, 1 - 1lb, for Avoirdupois Triple Beam Balance | Item # 807-03 | \$48 |
| Security Device for Triple Beam Pro only | Item # 470004-010 | \$127 |
| Security Device for Triple Beam & Triple Beam Pro | Item # 76288-01 | \$52 |
| Polypropylene Scoop, 12" x 6" x 2.75" footed & 38g counterweight (for Triple Beam Balance without tare), Scoop weight 128g | Item # 703-00 | \$29 |
| Stainless Steel Scoop, 12" x 6" x 2.75" and counterweight (for Triple Beam Balance without tare), Scoop weight 148g | Item # 703-S0 | \$70 |
| Polypropylene Maxi-Scoop, 10" dia. x 2.5" deep pouring spout, weight 142g & 42g counterweight for Triple Beam Balance | Item # 704-00 | \$31 |
| Vinyl Dust Cover for Triple Beam Balances | Item # 706-00 | \$20 |
| Rod & Clamp Assembly for Triple Beam and Harvard Trip Balances | Item # 183-00 | \$39 |

Specialty Triple Beams



SPECIALTY TRIPLE BEAMS

Designed with same quality and craftsmanship as the standard OHAUS 750-S0, these triple beams serve specific classroom needs by offering scoops, animal containers, pans, tare beams and more! Refer to the chart below for specific configurations. Each balance offers a generous 5 year warranty and the same accurate results you've come to expect from an OHAUS balance. Grades 4-12 (Ages 10 & up)

5 YEAR WARRANTY!



Triple Beam with Polypropylene Scoop (Model 720-00)



Triple Beam with Animal Container (Model 730-00)



Triple Beam with Stainless Steel Pan (Model 710-00)



Triple Beam with Stainless Steel Scoop (Model 720-S0)



Dial-O-Gram® with Attachment Masses (Model 1650-W0)

| Specialty Triple Beam | | | | | | |
|-----------------------|--------------------------|---------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-----------------------------------|
| Description | with Stainless Steel Pan | with Stainless Steel Pan & Tare | with Polypropylene Scoop | with Stainless Steel Scoop | with Animal Container | with Stainless Steel Plate & Tare |
| Item # | 710-00 | 710-T0 | 720-00 | 720-S0 | 730-00 | 760-00 |
| Capacity | 610g | 610g | 610g | 610g | 610g | 610g |
| Readability | 0.1g | 0.1g | 0.1g | 0.1g | 0.1g | 0.1g |
| Pan/Platform size | 15.2 cm (6" Diameter) | 15.2 cm (6" Diameter) | 30.5 × 15.2 × 7 cm (12 × 6 × 2.75") | 30.5 × 15.2 × 7 cm (12 × 6 × 2.75") | 22.9 cm Dia. × 15.2 cm H (9" × 6") | 15.2 cm (6" Diameter) |
| List Price | \$197 | \$242 | \$233 | \$271 | \$292 | \$205 |

| Dial-O-Gram® | | | |
|-------------------|---------------------------------|-----------------------------------|--|
| Description | with Stainless Steel Pan & Tare | with Stainless Steel Plate & Tare | with Stainless Steel Plate, Tare & Attachment Masses |
| Item # | 1610-00 | 1650-00 | 1650-W0 |
| Capacity | 610g | 610g | 2610g |
| Readability | 0.1g | 0.1g | 0.1g |
| Pan/Platform size | 15.2 cm Diameter (6" Diameter) | 15.2 cm Diameter (6" Diameter) | 15.2 cm Diameter (6" Diameter) |
| List Price | \$288 | \$251 | \$288 |

Mechanical Balances

HARVARD TRIP

Two-pan design is ideal for comparative weighing

Based on the classic Roberval balance principle, the Harvard Trip balance allows the determination of the difference in mass (rather than absolute value) between two objects.

OHAUS Value:

Strong construction and precision-engineered, built-in sliding masses for easy weighing, magnetic dampening for quicker results, self-aligning with beam design and special floating agate bearing, counterbalancing knob provides quick zeroing and stays in position, many years of precision and reproducibility with hardened steel edges, stainless steel plates. Grades 4-12 (Ages 10 and up)

| Harvard Trip | Single Beam | Double Beam | Double w/Tare |
|--|----------------|-------------|---------------|
| Capacity | 2000g | | |
| Readability | 0.1g | | |
| Tare capacity | — | — | 225g |
| Top Beam Calibration | 10g × 0.1g | 10g × 0.1g | 10g × 0.1g |
| Bottom Beam | — | 200g × 10g | 200g × 10g |
| Stainless steel plate Platform Diameter | 6/15.2 (in/cm) | | |
| Item # | 1450-SD | 1550-SD | 1560-SD |
| List Price | \$259 | \$278 | \$290 |
| Accessories | | | |
| Rod and Clamp Accessory for Harvard Trip | Item # 183-00 | | \$39 |



Harvard Trip
United States Patent and Trademark Office
Design Trademark Registration Number 1,439,006
(Registered 1,437,111 with dial)

CENT-O-GRAM® & DIAL-O-GRAM®

Quality, high precision overhead mechanical balances

OHAUS Cent-O-Gram and Dial-O-Gram Overhead Balances offer the accuracy and convenience of an integrated weigh-below balance while allowing students to visualize mass measurement principles. Designed with a hanging pan system, both balances offer 10 times the readability of the OHAUS Triple Beam and Dial-O-Gram top-loading balances. The Vernier dial on the Dial-O-Gram 310 replaces two of the beams and is a great time saver. Grades 6-12 (Ages 12 and up)

OHAUS Value:

Self-aligning with beam design and special floating agate bearings, counterbalancing knob provides quick zeroing and stays in position, magnetic dampening for quicker results, durable with aluminum pressure casting for the base and beam assembly, removable stainless steel pan.

| | Cent-O-Gram® | Dial-O-Gram® |
|---|---------------------|--------------|
| Capacity (g) | 311 | 310 |
| Readability (g) | 0.01 | 0.01 |
| Front Beam Calibration (g) | 1 × 0.01 | 100 × 10 |
| Second Beam | 10 × 1 | 100 × 10 |
| Third Beam | 100 × 10 | 100 × 10 |
| Rear Beam | 200 × 100 | 10 × 0.01 |
| Dial | — | 10 × 0.01 |
| Stainless Steel Pan (removable) Platform Diameter × Depth (in/cm) | 3.5 × 0.5/8.9 × 0.7 | |
| Item # | 311-00 | 310-00 |
| List Price | \$229 | \$277 |
| Accessories | | |
| Test Tube Kit for 311-00 and 310-00 Balances | Item# 76912-01 | \$20 |



Cent-O-Gram®
United States Patent and Trademark Office Design
Trademark Registration # 1,437,797



Dial-O-Gram®
United States Patent and Trademark Office Design
Trademark Registration # 1,436,267

Round Pan Model



5 YEAR WARRANTY!

Milligram Model



Square Pan Model



Enhance your student's experience with the new Scout Pro Virtual Lab software and Virtual Lab bundles!

-see insert in this Brochure for details

SCOUT® PRO

Education Edition

- ✓ Internal overload protection ensures your balance is safe from damage when excessive weight is placed on the pan
- ✓ Sudden impact protection eliminates the worry of dropping or being unexpectedly struck in the lab
- ✓ Encapsulated strain gauges protect against corrosion and humidity, resulting in superior performance over a longer period of time
- ✓ Interface with data acquisition devices—interfaces with the most popular data acquisition devices in education

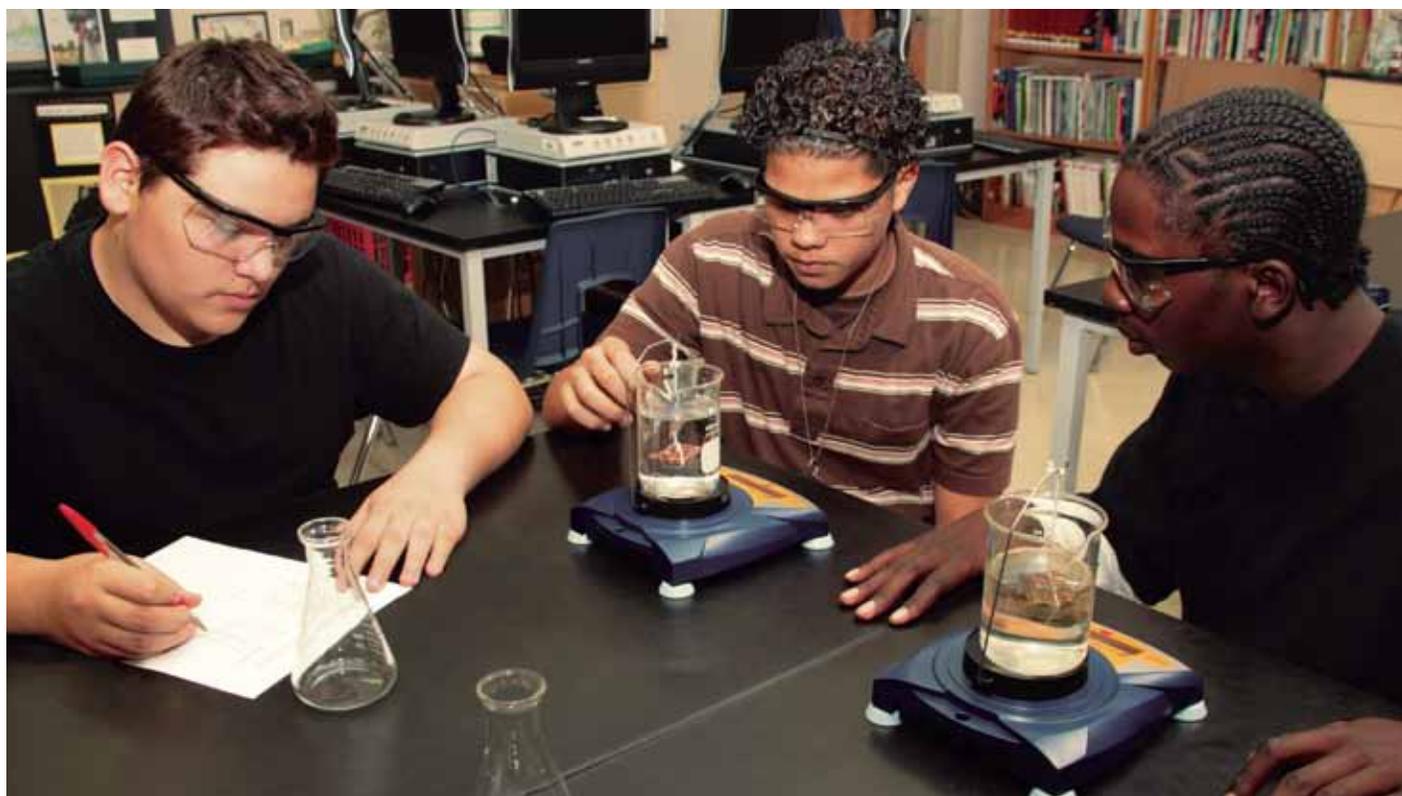
Classroom-practical features, superior performance and simple operation have made the OHAUS Scout Pro balances the most popular and durable electronic balances in science labs today. With models offering optional USB or RS232 interface, milligram readability, multiple weighing units, a variety of application modes and now the ability to use your Scout Pro as a data logging sensor, the experimental possibilities are virtually endless.



OHAUS Value:

- ✓ Easy-to-use for students of all skill levels.
- ✓ Large LCD display—View student's results from any angle.
- ✓ Integrated weigh-below hook—Attached hook can't be lost!
- ✓ Easy to keep clean with sealed front panel, molded spill ring and removable stainless steel platform





Every Scout Pro Education Balance includes:

A free above-balance density/specific gravity determination kit (all education models up to 4000g), AC adapter, integrated weigh-below hook, integrated security bracket, free calibration weight (all models up to 600g), USB/RS232 option (interface separate purchase.)

| Scout® Pro | | | | | | | | | | | |
|---------------------------------|---|--------|------------------------------------|--------|--------|-----------------------------|---------|------------------|---------|---------|--|
| Capacity (g) | 120* | 200 | 400 | 600 | 400 | 600 | 2000 | 4000 | 6000 | 6000 | |
| Readability (g) | 0.001 | 0.01 | | | 0.1 | | | | 1 | | |
| Weighing Units | g, N, oz | | | | | g,N,oz,lb | | g, kg, N, oz, lb | | | |
| Application Modes | Specific Gravity, Parts Counting, Percentage Weighing, Totalization, Display Hold | | | | | | | | | | |
| Power Requirements | AC Adapter (included) or 4-AA Batteries (not included) | | | | | | | | | | |
| Calibration | Digital Calibration From Keypad | | | | | | | | | | |
| Display | High Contrast LCD with 6 digits 0.6in/15mm high | | | | | | | | | | |
| Pan Size (in/cm) | 3.6/9 Diameter | | 4.7/12 Diameter | | | 6.5 × 5.6/16.5 × 14 (W × D) | | | | | |
| Dimensions W × H × D (in/cm) | 7.5 × 4.4 × 8.3/ 19.2 × 10.8 × 21 | | 7.56 × 2.13 × 8.27/19.2 × 5.4 × 21 | | | | | | | | |
| Item # | SPE123 | SPE202 | SPE402 | SPE602 | SPE401 | SPE601 | SPE2001 | SPE4001 | SPE6001 | SPE6000 | |
| List Price | \$506 | \$370 | \$520 | \$609 | \$204 | \$302 | \$383 | \$560 | \$632 | \$317 | |

*Includes draft shield

| Accessories | | |
|--|-----------------|-------|
| OHAUS Collect Software | Item # 80500746 | \$469 |
| Hard Shell Carrying Case | Item # 77256-01 | \$70 |
| Security Device | Item # 76288-01 | \$52 |
| Scout Pro in-use cover, Pk of 3 | Item # 71168909 | \$29 |
| Scout Pro USB Interface Kit (cable included) | Item # 71147376 | \$101 |
| Scout Pro RS232 Interface (9-pin cable included) | Item # 71147377 | \$101 |



Portable



Every CS model includes a stainless steel pan and AC Power Pack (a \$40 value!)

COMPACT

The economical portable scale

- ✓ Includes AC adapter and stainless steel pan
- ✓ Perfect for lab prep work or teacher demonstrations

From the classroom to the field, our Compact Scales are reliable and easy to use. The portable Compact moves with you to any environment and has a long battery life for all-day field experiments. Consistent, quick weighing has never been so easy!

| Compact | | | |
|--------------------------------|-----------------------------------|----------|----------|
| Capacity × Readability (g) | 200 × 0.1 | 2000 × 1 | 5000 × 1 |
| Pan Size (in/cm) | 5.75 × 5.25/14.6 × 13.3 | | |
| Dimensions (W × H × D) (in/cm) | 7.6 × 5.3 × 1.5/19.3 × 13.5 × 3.9 | | |
| Span Mass (g) | 200 | 1000 | 2000 |
| Item # | CS200 | CS2000 | CS5000 |
| List Price | \$114 | \$114 | \$134 |



POCKET

Small enough to fit in your shirt pocket!

- ✓ High contrast LCD
- ✓ Energy-saving auto shut-off feature
- ✓ Low battery, stability, overload and underload indicators

OHAUS PS pocket scales deliver great performance in a unique stylish yet functional design. The combination pan & cover slides back for weighing and forward to cover the display and keys for storage or transport. Two mechanical buttons and a crisp LCD allow for simple, quick operation.

| Pocket | | |
|----------------------------|---------------------|-----------|
| Capacity × Readability (g) | 120 × 0.1 | 250 × 0.1 |
| Weighing Units | g, oz, ozt, dwt | |
| Pan Size (in/mm) | 2.36 × 2.75/60 × 70 | |
| Item # | PS121 | PS251 |
| List Price | \$56 | \$66 |

HAND-HELD

When you need mobility

- ✓ Energy-saving auto shut-off feature
- ✓ Runs on two AAA batteries (included)
- ✓ Low battery, overload and underload indicators

This pocket size electronic balance is perfect for teacher preparation, field use, and workshops. OHAUS accuracy that's convenient to take anywhere!

OHAUS Value:

Generous 3.3" x 3" weighing surface, backlit display on HH120 and HH320 models, rugged plastic construction, protective snap-on cover included.



| Hand-Held | | | |
|------------------------------|------------------------------------|------------------|-----------|
| Capacity x Readability (g) | 0-60x0.1/60-120x0.2 | 120 x 0.1 | 320 x 0.1 |
| Weighing Units | g | g, oz, dwt, oz t | |
| Pan Size L x W (in/cm) | 3.25 x 3.0/8.3 x 7.6 | | |
| Dimensions L x W x H (in/cm) | 5.35 x 3.25 x 0.8/13.6 x 8.3 x 2.0 | | |
| Item # | HH120D | HH120 | HH320 |
| List Price | \$118 | \$142 | \$176 |

YA SERIES

Accuracy on the go!

- ✓ Use it on field trips when you need complete portability
- ✓ Perfect for determining the mass of rocks, minerals and crystals
- ✓ Flip top lid protects the pan & display while fitting easily into your pocket
- ✓ Powered by 2 "AAA" batteries (included)

The OHAUS YA Series pocket scale delivers great performance in a stylish, yet functional design and convenient size, that's ideal to take anywhere—carry it in a brief case or drop it in your pocket!

With a bright, backlit LCD and simple, quick operation, there's no reason to settle for other brands when you can have the BEST IN CLASS from OHAUS.



| YA Series | | | |
|--------------------------------|-------------------------------|------------|-----------|
| Capacity x Readability (g) | 100 x 0.01 | 300 x 0.05 | 500 x 0.1 |
| Pan Size (in/cm) | 2.75 x 1.9/70 x 50 | | |
| Dimensions (W x H x D) (in/cm) | 4.3 x 2.9 x 0.7/110 x 75 x 20 | | |
| Weighing Units | g, oz, ct, gn | | |
| Item # | YA102 | YA302 | YA501 |
| List Price | \$72 | \$60 | \$41 |

Analytical & Toploading Balances

**ALL MODELS
INCLUDE RS232
STANDARD**

(Interface kit sold separately)

PIONEER™ SERIES

Analytical and Precision Balances

- ✓ **Easy to Clean Analytical Draftshield**—Designed with all glass panels, including three sliding doors. All panels are easy to remove and replace, and together with a stainless steel bottom, make it fast and easy to clean
- ✓ **Upfront Level Indicator**—Quickly ensure the balance is level prior to use
- ✓ **Selectable Environmental Settings**—Three filter modes and adjustable zero tracking adjust balance sensitivity to environmental disturbances

The Best Balance For Basic Weighing!

With the right combination of performance and features, the OHAUS Pioneer Series of analytical and precision balances offers uncomplicated performance for all your basic weighing needs. Not recommended for students under the age of 12.

Standard Features Include:

Removable Doors for Convenient Access and Easy Cleaning

Pioneer's draftshield has been designed with easy to remove doors and panels. Disassembly takes just seconds and all components, including the balance housing, can be quickly wiped clean.

Periodic cleaning made easy helps to avoid sample contamination and extends product life. In addition, a standard in-use cover provides added protection against accidental spillage and helps minimize the chance of damage to the display and keypad.

Upfront Level Indicator Ensures Accuracy

The up-front level indicator eliminates the need to look behind the balance during the leveling process.

Environmental Settings for Working in Practically Any Condition

Pioneer is designed with selectable environmental settings. When working in harsh environments, the balance can be adjusted to compensate for vibrations and other disturbances. Conversely, the balance can be adjusted for working in slow filling applications where sensitivity is a must.

Other Standard Features and Equipment

AC adapter, user selectable span calibration points, software reset menu, stability indicator, Auto Tare, user selectable communications settings, user selectable printing options, stainless steel platform



| Pioneer™ | | | | | | | | | |
|--------------------------------------|--|---------|---------|-----------------|---------|--|---------|--|--------|
| Models | PA64 | PA114 | PA214 | PA153 | PA313 | PA512 | PA1502 | PA3102 | PA4101 |
| Capacity (g) | 65 | 110 | 210 | 150 | 310 | 510 | 1500 | 3100 | 4100 |
| Readability D (g) | 0.0001 | | | 0.001 | | 0.01 | | | 0.1 |
| Application Modes | Weighing, Parts Counting, Percent | | | | | | | | |
| Weighing Units | mg, g, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, tael (3) | | | | | g, lb, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, tael (3) | | g, kg, lb, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, tael (3) | |
| Platform Size | 90 mm Diameter | | | 120 mm Diameter | | 180 mm Diameter | | | |
| Balance Dimensions W × H × D (in/cm) | 7.7 × 11.3 × 12.6/19.6 × 28.7 × 32 | | | | | 7.7 × 3.6 × 12.6/19.6 × 9.2 × 32 | | | |
| Draftshield | Yes | | | | | None | | | |
| List Price | \$1,957 | \$2,236 | \$2,472 | \$1,171 | \$1,294 | \$995 | \$1,171 | \$1,325 | \$862 |

ADVENTURER™ PRO

The most complete balance in its class

- ✓ **SmarText™ software** easily guides users through applications
- ✓ **USB connection option** expands the capability of your Adventurer Pro to interface with the most popular data acquisition devices in education

The Adventurer Pro is the industry's most versatile balance: it counts, it sums, it holds and it delivers traceable results. No other balance in its class offers as many features in a compact design. Includes integrated security bracket. Not recommended for students under the age of 12.

Multiple application modes:

Basic weighing, parts counting, percent weighing, animal/dynamic weighing, totalization, display hold, weigh below balance

| Adventurer™ Pro | | | | | | |
|------------------------------|--|-------------|----------------------------------|---------|--------|---------|
| Capacity (g) | 51* | 210 | 410 | 810 | 4100 | 8100 |
| Readability (g) | 0.00 | 0.01 | | | 0.1 | |
| Weighing Units | mg, g, kg, oz, lbs, ozt, ct, dwt, tael(3), momme, grain, tical, Newton, Mesghal, tola, user-programmable custom unit | | | | | |
| Pan Size (in/cm) | 3.9/10 Diameter | 4.7/12 Dia. | 5.8 × 6.3/14.9 × 16.2 | | | |
| Dimensions W × H × D (in/cm) | 7.5 × 5.6 × 10/ 19.3 × 14.4 × 25.4 | | 7.5 × 2.8 × 10/19.3 × 7.2 × 25.4 | | | |
| Item # | AV53 | AV212 | AV412 | AV812 | AV4101 | AV8101 |
| List Price | \$929 | \$810 | \$903 | \$1,026 | \$903 | \$1,026 |

*Draftshield included



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AC/Battery power option



USB option

NAVIGATOR®

Touchless Sensors Free Up Your Hands!

- ✓ **2 Touchless Sensors**—frees up your hands so you can focus on handling samples! Set up independently to control up to 36 combinations of operations.
- ✓ **Superior Protection**—overload protection prevents damage to the scale from undue shock or overloading. Integrated shipping lock protects the load cell from damage during transportation or storage.
- ✓ **Multiple Application Modes**—counting, percent weighing, checkweighing, display hold, accumulation/totalization

The Navigator® series offers a unique combination of features including touchless sensors, ultra-fast response time and superior overload protection for use in a wide variety of classroom experiments.



Navigator



Navigator XL

| | Navigator® | | | | | | Navigator® XL | | | | | |
|--------------------------|---|-------|--------|-------------|--------|--------|-------------------|-----------|-----------|-----------|------------|------------|
| Capacity (g) | 210 | 510 | 1100 | 2100 | 4100 | 5100 | 510 | 1100 | 2100 | 5100 | 10000 | 20000 |
| Readability (g) | 0.01 | 0.1 | 0.1 | 0.1 | 0.2 | 0.5 | 0.1 | 0.1 | 0.1 | 0.5 | 1 | 1 |
| Weighing Units | g, kg, oz (decimal/fractional), lb, lb:oz (decimal/fractional), ozt, ct, grain, Newton, dwt, tical, tola, tael(3) | | | | | | | | | | | |
| Pan Size (in/cm) | 120mm diameter | | | 190 x 138mm | | | 194 × 203 mm | | | | | |
| Dimensions WxHxD (in/cm) | 204 x 212 x 58 | | | | | | 204 × 282 × 74 mm | | | | | |
| Item # | NV212 | NV511 | NV1101 | NV2101 | NV4101 | NV5101 | NVL511/1 | NVL1101/1 | NVL2101/1 | NVL5101/1 | NVL10001/1 | NVL20000/1 |
| List Price | \$483 | \$420 | \$452 | \$483 | \$483 | \$483 | \$462 | \$504 | \$546 | \$525 | \$588 | \$588 |



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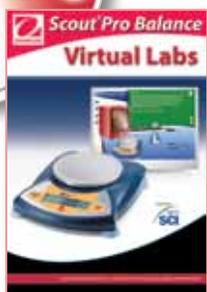
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OHAUS VIRTUAL LAB

Interactive Software Bundles



Standards-based learning packages offering STEM-focused skill building opportunities with emphasis on measurement & analysis

All content included in the software is correlated to both National Science Education Content Standards and State specific standards.

Bundles are available with your choice of any Scout® Pro models or 750-S0 Triple Beam, Triple Beam Pro or Harvard Junior two-pan balance.



Scout® Pro



750-S0 Triple Beam



Triple Beam Pro



Harvard Junior

ANATOMY OF A VIRTUAL LAB PROGRAM

✓ Educational Tutorials & Virtual Lab Investigations

Animated, narrated and interactive tutorials each covering three grade and balance appropriate categories: Balance Theory, Measurement and Working with Data, Science Concepts in Balance Activities. Three interactive and narrated virtual lab investigations complete with objectives, safety procedures and lab analysis questions.

✓ Teacher Resource section

Included on the CD are numerous resources for both you and your students such as:

- Balance trouble-shooting guides
- Student study guides
- Visual handouts
- Concept animations
- Printable hands-on activities & more

✓ Virtual Notebook

Each virtual lab boasts its own virtual notebook where data can be recorded, analyzed and submitted to the teacher electronically or in printed format.

✓ Create-A-Presentation

The Create-A-Presentation module allows you to utilize the included software content, or your own images and information, to create a classroom presentation or topic review.

✓ Create-A-Test Module

Modify or create your own assessments or quizzes. Question types that can be created include: multiple choice, true/false, essay, concept mapping, term/definition and labeling. You can use the content provided in the software, import your own or a combination of both.

✓ The Take-A-Test module

Automatically select assessment questions from content covered in the Tutorials and Virtual Labs. Assessments may be taken in "Practice" mode where immediate "correct" or "incorrect" feedback is given to the student after each question; or use traditional "Test" mode which is scored after completion. Results may be printed or saved and sent to you electronically.

✓ Comprehensive Glossary of Terms

A comprehensive glossary of key terms is also included with the software. These terms are highlighted and "hot linked" in the text of the tutorials to allow students to quickly see the definition of a term.



A great way to differentiate student instruction. The software offers a self-guided, multi-sensory approach to learning.

Each Virtual Lab Bundle offers one OHAUS balance and a single user license of the software for less than you would pay for BOTH separately!

Ingeniously Practical



OHAUS VIRTUAL LAB

Interactive Software Bundles

SPECIFICATIONS



OHAUS Scout® Pro Virtual Lab Bundles

(1 Scout Pro Balance, 1 Single User CD-ROM)

| Scout® Pro Virtual Lab Bundles | | | | | | | | | | |
|--------------------------------|--|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|
| Model | SPE123B | SPE202B | SPE402B | SPE602B | SPE401B | SPE601B | SPE2001/B | SPE4001/B | SPE6001/B | SPE6000/B |
| Capacity (g) | 120 | 200 | 400 | 600 | 400 | 600 | 2000 | 4000 | 6000 | 6000 |
| Readability (g) | 0.001 | 0.01 | | | 0.1 | | | 1 | | |
| Bundle List | \$548 | \$411 | \$562 | \$650 | \$246 | \$344 | \$425 | \$602 | \$673 | \$358 |
| 80104148 | Scout Pro Virtual Lab Software Only (Single User License) \$105 | | | | | | | | | |
| 80104149 | Scout Pro Virtual Lab Software Only (Building Network License) \$315 | | | | | | | | | |

OHAUS Triple Beam Balance Virtual Lab Bundles

(1 Triple Beam Balance, 1 Single User CD-ROM)



| Triple Beam Balance Virtual Lab Bundles | | |
|---|--|--|
| Model | 80104165 | 80104166 |
| Description | 750-S0 Triple Beam w/Single User CD-ROM | TP2611 Triple Pro w/Single User CD-ROM |
| Capacity (g) | 610 | 2610 |
| Readability (g) | 0.1 | 0.1 |
| Bundle List | \$189 | \$205 |
| 80104162 | Triple Beam Balance Virtual Lab Software Only (Single User License) \$105 | |
| 80104163 | Triple Beam Balance Virtual Lab Software Only (Building Network License) \$315 | |

OHAUS Harvard Junior™ Balance & Measurement Bundles



| Harvard Junior™ Balance & Measurement Bundles | | |
|---|---|--|
| Model | 80104169 | 80104170 |
| Description | Includes 1 HJ Balance w/Single User CD-ROM | Includes 2 HJ Balances, 1 OHAUS Measurement Kit and 1 Single User CD-ROM |
| Capacity (g) | 2000 | 2000 |
| Readability (g) | 0.5 | 0.5 |
| Bundle List | \$132 | \$282 |
| 80104167 | Harvard Junior Virtual Lab Software Only (Single User License) \$105 | |
| 80104168 | Harvard Junior Virtual Lab Software Only (Building Network License) \$315 | |

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