

ANALYTICAL BALANCES



NEW! OHAUS EXPLORER

Intelligent Performance

Explorer delivers accurate results within seconds, improving operator efficiency, productivity, and throughput, with a stabilization time up to 50% faster. Optimized linearity and repeatability provide accurate and repetitive results. Superior vibration filtering provides balance stability in unstable environments.

Advanced AutoCal™ Automatic Internal Calibration

To minimize weighing errors and ensure accurate measurements, AutoCal™ utilizes two internal weights to perform linear calibrations. AutoCal™ internal calibration system automatically calibrates the balance when it senses a temperature change significant enough to affect the weighing accuracy or every 11 hours.



Pipette Calibration Mode

Pipette calibration checks the accuracy and precision values of pipettes by weight analysis. To calibrate a pipette, the user will select the type of liquid to be used in the pipette, barometric pressure, nominal value, and the unit of measure of the pipette. The balance will do the rest.

Easy to View Display

High definition 5.7" color VGA touch display with icons for simple menu navigation, that can be separated from the weighing base. Wide angle viewing which is easy on your eyes and ensures accurate readings.



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OHAUS EXPLORER ANALYTICAL BALANCES

0.0001 gram (0.1 mg) precision

The new Ohaus Explorer's revolutionary interface and ergonomics utilize a huge color touch screen display, touch free sensors, and icon driven software. Every Explorer balance comes standard with Ohaus' automatic self-calibration adjust feature. Explorer's draft shield provides ample access and visibility to the weighing chamber and features anti-static coated glass which helps dissipate static charges. Frameless flip-top design provides unobstructed access to the weighing chamber.

Explorer's other features include QuadraStance design with four adjustable thumbwheels for leveling, level assist screen to quickly identify which thumbwheels to adjust, die-cast metal bottom housing, four touchless sensors for hands-free operation, easy to use graphical software, data transfer function, and USB and RS232 outputs.

Max Capacity (g)	NCL #	Price/ea
120	OE-120C	2995.00
220	OE-220C	3395.00

Touchless Sensors

Explorer features four touchless sensors for hands-free operation. Two sensors on the base and two on the display, can be set up individually. These eliminate sample residue transfer and minimize contamination.



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OHAUS ADVENTURER *PRO* ANALYTICAL AND PRECISION BALANCES

Easy Access, Frameless Draft Shield with Removable Doors

Frameless, flip-top draft shield without a top rail for the glass doors permits easy access into the weighing chamber. All doors, including the front and back glass panels, are easy to remove and replace, making the balance fast and easy to clean.

SmarText™ Software Guides Users Through Balance Use

Ohaus' easy to use balance software utilizes text prompts to guide users through application use and balance setup. Delivered through a 2-line backlit LCD and clearly marked buttons, SmarText™ tells you what is going on and what you have to do next.

QuadraStance™ Design Provides Superior Footprint

QuadraStance™ design incorporates four feet to provide superior footprint stability on any surface. QuadraStance™ helps prevent rocking and tipping, enhancing the weighing stability of the balance. Designed with an up front level indicator eliminating the need to look behind the balance during the leveling process.

Other Features

Features include a stability indicator, a low battery indicator, user selectable span calibration points, auto tare, a software reset menu and a software lockout menu. When working in harsh environments, user can adjust balance settings to compensate for vibrations and other disturbances.

Easy to Use Keypad

Four-button keypad with dedicated YES, NO, BACK and EXIT functions simplify menu navigation and balance set-up.

ANALYTICAL BALANCES



ADVENTURER PRO ANALYTICAL BALANCES

0.0001 gram (0.1 mg) precision

Ohaus Adventurer Pro analytical balances meet all requirements for the Water and Wastewater Laboratory.

Standard features include: LCD with backlight display, quadrastance leveling system, stability indicator, and RS232 output. All models on this page include a draft shield. All models on this page have an internal calibration weight.

TWO YEAR WARRANTY

With Internal Calibration Weight		
Max Capacity (g)	NCL #	Price/ea
65	OP-64C	2178.00
110	OP-114C	2358.00
260	OP-264C	2835.00



ANALYTICAL BALANCES



ECONOMY ANALYTICAL BALANCES OHAUS PIONEER SERIES

0.0001 g (0.1 mg) precision

If you are looking for the lowest priced balance that meets the minimum requirements of Standard Methods, we offer the Ohaus Pioneer series.

These balances have:

- Stainless steel interiors
- Framed draft shields with sliding tops.
- RS232 interface
- Level indicator
- Adjustable sensitivity to compensate for vibrations
- No internal calibration weights. Can be calibrated with optional external calibration weights.



Max Capacity (g)	NCL #	Price/ea
65	PA-65	1710.00
110	PA-100	1953.00
210	PA-210	2160.00

TOP LOADING BALANCES

ADVENTURER PRO TOP LOADING BALANCES



All models in this catalog include: large LCD display with backlight, large stainless steel weighing surface, quadrastance leveling system, bi-directional RS-232 interface, easy four-button operation, sealed front panel and spill ring, stability indicator, and error indicator. Draft shields are included with 210 g and 310 g models. Calibration can be done by using an optional external calibration weight. Pan size: 3.5" diameter on 210 g and 310 g models; 7.1" diameter on 410 g and 3100 g models. Supplied with AC adapter.

Readability (g)	Draft Shield	Max Capacity (g)	NCL #	Price/ea
0.001	yes	210	OP-210	1157.40
0.001	yes	310	OP-310	1301.40
0.01	no	410	OP-410	788.40
0.01	no	3100	OP-3100	1305.90



SCOUT PRO PORTABLE BALANCES

Simple, two-button operation. These models include: a large LCD display, large stainless steel weighing surface, sealed front panel and spill ring, stability indicator, auto shut-off, and low battery indicator. Supplied with AC adapter, but can be operated with four "AA" batteries (not included). Appropriate external calibration weight is supplied with 200, 400, and 600 gram models. Optional calibration weights can be purchased for larger capacity models.

Readability (g)	Max Capacity (g)	NCL #	Price/ea
0.01	200	OS-200	319.50
0.1	400	OS-400	196.00
0.1	600	OS-600	261.00
0.1	2000	OS-2000	331.20
0.1	4000	OS-4000	484.20
1.0	6000	OS-6000	273.60



MOISTURE BALANCES

OHAUS MOISTURE ANALYZERS



NCL #	MB-23	MB-25	MB-35	MB-45
% Readability	0.1%	0.05%	0.02%	0.01%
Repeatability 3 g	0.3%	0.2%	0.18%	0.05%
Repeatability 10 g	0.2%	0.05%	0.02%	0.015%
Capacity x Readability	110 x 0.01 g	110 x 0.005 g	35 x 0.002 g	45 x 0.001 g
Heat Source	Infrared Coil	Halogen Lamp	Halogen Lamp	Halogen Lamp
Display Type	Backlit LCD	Backlit LCD	Graphical	Graphical
Heat Range (°C)	50°–160° (5° incr)	50°–160° (5° incr)	50°–160° (5° incr)	50°–200° (1° incr)
Shutoff Criteria	Manual, Timed, or Auto	Manual, Timed, or Auto	Manual, 1–60 min. and 30 sec. incre., 1-2 hour and 1 min. incre., or auto	Manual, Custom, pre-set 1–120 minutes in 10-second increments or Auto
Heating Profiles	Standard	Standard	Standard	Fast, Std, Ramp, Step
Display Results	% Moisture, % Solids, Actual Weight, Temp	% Moisture, % Solids, Actual Weight, Temp	% Moisture, Actual Weight, Temp	% Moisture, % Solids, % Regain, Time, Temp, Weight, Test ID, Drying Curve & Statistics
Price	2069.10	2425.50	2986.20	3328.20

BALANCE CALIBRATION WEIGHTS



BALANCE CALIBRATION WEIGHTS

CERTIFIED TO **ASTM** STANDARDS

Class "1" weights for calibrating analytical balances.

Note: Class "S" has been discontinued.

Class "1" has a higher accuracy than Class "S" had.

Each weight is provided with an individual serial-numbered case.

Each weight on this page is supplied with a "Statement of Accuracy", which certifies that the weight conforms to ASTM class 1 standards. (See below) The certificate references a serial number that is located on the case (not on the weight itself). Note that the users name is not on the certificate.

Weight	NCL #	Price/ea
1 mg	BR-270	61.00
2 mg	BR-271	61.00
5 mg	BR-272	61.00
10 mg	BR-273	61.00
20 mg	BR-274	61.00
50 mg	BR-275	61.00
100 mg	BR-276	61.00
200 mg	BR-277	61.00
500 mg	BR-278	61.00
1 g	BR-279	62.00
2 g	BR-280	62.00
5 g	BR-281	62.00
10 g	BR-282	62.00
20 g	BR-283	62.00
30 g	BR-283A	71.00
50 g	BR-284	71.00
100 g	BR-285	86.00
200 g	BR-286	140.00

BALANCE CALIBRATION WEIGHTS

Weight	NCL #	Price/ea
1 mg	BT-270	73.00
2 mg	BT-271	73.00
5 mg	BT-272	73.00
10 mg	BT-273	73.00
20 mg	BT-274	73.00
50 mg	BT-275	73.00
100 mg	BT-276	73.00
200 mg	BT-277	73.00
500 mg	BT-278	73.00
1 g	BT-279	76.00
2 g	BT-280	76.00
5 g	BT-281	76.00
10 g	BT-282	79.00
20 g	BT-283	79.00
30 g	BT-283A	98.00
50 g	BT-284	98.00
100 g	BT-285	106.00
200 g	BT-286	185.00



BALANCE CALIBRATION WEIGHTS

TRACEABLE TO **NIST** STANDARDS

Each weight is provided with an individual serial-numbered case.

Each weight on this page is supplied with a "Traceable Certificate", which certifies that the weight conforms to NIST standards. The certificate references a serial number that is located on the case (not on the weight itself). Refer to certificate on the following page.

Please indicate what name you would like on the certificate when you order. Otherwise, the certificate will be made out to NCL. Please allow 4 to 6 weeks for delivery. Please note these weights are NOT returnable under ANY circumstances.

WEIGHTS THAT ARE STAMPED OR ETCHED WITH A NUMBER ARE AVAILABLE BY SPECIAL ORDER.

Stamping and etching will contain two characters maximum: 2 letters, 2 numbers, or one letter and one number.

Weights of 10 grams to 200 grams may be stamped. Stamping cost is \$25 per weight. Weights of 10 mg to 200 grams may be etched. Etching cost is \$65 per weight.

Allow 6 to 8 weeks for delivery on stamped and etched weights. Stamped and etched weights are NOT returnable under ANY circumstances.

BALANCE ACCESSORIES



BALANCE TWEEZERS

Stainless steel with plastic tips to prevent scratching of calibration weights. NEW AND IMPROVED MODEL.

B-291 42.00/ea



ECONOMY BALANCE TWEEZERS

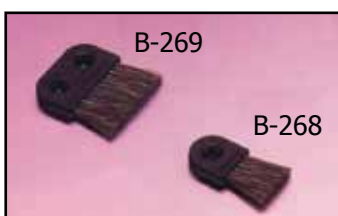
Plastic balance tweezers.

B-292 14.00/ea

ANTI-STATIC BALANCE BRUSH

New design blends natural hair and synthetic fibers that remove static as it cleans. Because it won't scratch, it is ideal for cleaning balances, microscopes, cuvettes, electronics, and computer monitors. 1" brush with 5" composite handle.

B-321 17.95/ea



ANTI-STATIC CLEANING BRUSHES

Goat hair bristles. Overall length: 2⁵/₈"

Brush Size	NCL #	Price/ea
1 ¹ / ₄ "	B-268	16.30
2 ¹ / ₂ "	B-269	23.25

BALANCE DUSTING BRUSH

We finally found some that work and are worth the money.

B-265 3.50/ea



BALANCE ACCESSORIES



SQUARE WEIGHING BOATS

Disposable polystyrene weighing boats. Useful for weighing powders. Helps keep your balance pan and chamber clean. 500 per pack.

Size (in)	NCL #	Price/pk
1 ⁵ / ₈ x 1 ⁵ / ₈ x 5 ⁵ / ₁₆ deep	WB-158	32.55
3 ¹ / ₂ x 3 ¹ / ₂ x 3 ³ / ₄ deep	WB-350	54.60



"BOAT-SHAPED" WEIGHING BOATS

New design polystyrene weigh dish facilitates pouring and dispensing. 250 per pack.

Size (in)	NCL #	Price/pk
1 ⁵ / ₈ x 2 ¹ / ₄ x 5 ⁵ / ₁₆ deep	PB-316	24.30
3 ¹ / ₂ x 5 ¹ / ₄ x 1 deep	PB-315	42.00



ALUMINUM WEIGHING DISHES

For TSS filters. Weigh filter in the aluminum weighing dish before using. Transfer dish and filter to drying oven, desiccator, and re-weigh filter in the dish. **NOT SUITABLE for use in muffle furnaces.** 100 dishes per pack, 1000 dishes per case.

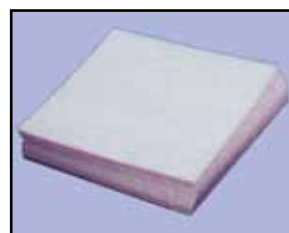
Diameter	NCL #	Price/pk	Price/cs
57 mm	W-355	10.65	79.80
70 mm	W-357	14.80	122.50
125 mm	W-399	39.45	299.00



DESICCATOR CARTRIDGE

For use in desiccator cabinets, non-vacuum desiccators, and analytical balance chambers. The clear polystyrene dish allows instant visual inspection of silica gel, which changes in color from blue to pink as it absorbs moisture. Cartridges are individually sealed in aluminum foil.

Size (in)	NCL #	Price/pk of 6
2 ¹ / ₂ (65 mm)	DB-65	50.15
4 (100 mm)	DB-100	62.80



WEIGHING PAPER

Glassine weighing paper helps keep balance pan clean and makes it easier to transfer chemicals after weighing. Packs of 500 sheets.

Diameter	NCL #	Price/pk
3 x 3	BV-263	12.00
4 x 4	BV-264	15.00
6 x 6	BV-266	19.00

BALANCE ACCESSORIES



STAINLESS STEEL SPATULA

One rounded and one pointed end. 8" overall.

SL-8 **6.00/ea**



SCOOPULA

Curved stainless steel with semi-pointed end. Works better than spatulas for larger quantities.

SV-210 **2.70/ea**



PORCELAIN SPATULA

Size	NCL #	Price/ea
0.3 ml	SC-378	18.75
0.5 ml	SC-380	29.50
1.0 ml	SC-381	36.00



KNIFE BLADE SPATULA

Stainless steel blade with hardwood handle.

Blade Size	NCL #	Price/ea
4" blade	SV-204	8.50
6" blade	SV-206	12.45



SPOONS

Double-ended, stainless steel spoons with a solid, rounded shaft. 2 per package.

Length	Small Spoon	Large Spoon	NCL #	Price/pk
15 cm	0.5 ml	2.0 ml	SB-805	39.15
18 cm	0.8 ml	2.8 ml	SB-808	44.10

BALANCE ACCESSORIES

CLASS "1" WEIGHT SET

100 gram to 1 mg weight set consisting of: 1-100 g; 1-50 g; 2-20 g; 1-10 g; 1-5 g; 2-2 g; 1-1 g; 1-500 mg; 2-200 mg; 1-100 mg; 1-50 mg; 2-20 mg; 1-10 mg; 1-5 mg; 2-2 mg; 1-1 mg.

Includes storage box and balance tweezers.

BR-289 943.00/ea



MORTAR & PESTLES

For grinding powders and crystals. Porcelain mortars are glazed outside, unglazed inside. Pestles are glazed on handle, unglazed on grinding surface.

Diameter	NCL #	Price/ea
3"	MC-104	9.00
4"	MC-105	15.00
5"	MC-106	19.00

VIBRATION DAMPING MOUNT

Isolate sensitive analytical balances and other instruments from disturbing vibrations caused by nearby equipment (such as pumps, stirrers, and blenders) with Vibrasorb Damping Mounts. Molded of dense black & white terrazzo, these 18" x 22" x 2 1/2" thick platforms, with four Vibro-Absorber cushions and neoprene feet, absorb vibration down to 9 Hz and will support up to 35 lbs. A polished surface resists scratches and chemical attack. Overall height is 3". Shipping weight: 87 lbs.



BV-1822 753.30/ea



ECONOMY VIBRATION DAMPING MOUNT

Economy version of the above has a durable high-impact polystyrene shell with a smooth, non-slip neoprene work surface. Vibro-Absorber damping mounts at each corner support the 20.8 kg (46 lbs) platform. Platform area is 13.5 x 11 in. and easily wipes clean. Maximum carrying weight for effective vibration damping is 11 kg (24 lbs).

BV-1311 445.00/ea