



# Laboratory

*High Performance Balances and Scales*



**ISO 9001:2008  
Registered Quality Management System**

**2011**

# Application & Balance Selectors

## APPLICATION SELECTOR

| Product Features       | Analytical & Precision |              |               |                           |                 |          |           | Portable   |         |           |    |
|------------------------|------------------------|--------------|---------------|---------------------------|-----------------|----------|-----------|------------|---------|-----------|----|
|                        | Discovery              | Voyager® Pro | Explorer® Pro | Explorer® Pro Hi-Capacity | Adventurer™ Pro | Pioneer™ | MB Series | Scout® Pro | Compact | Hand-Held | CL |
| General Weighing       | ✓                      | ✓            | ✓             | ✓                         | ✓               | ✓        | ✓         | ✓          | ✓       | ✓         | ✓  |
| Parts Counting         | ✓                      | ✓            | ✓             | ✓                         | ✓               | ✓        |           | ✓          |         |           |    |
| Percent Weighing       | ✓                      | ✓            | ✓             | ✓                         | ✓               | ✓        |           | ✓          |         |           |    |
| Checkweighing          | ✓                      | ✓            | ✓             | ✓                         | ✓               |          |           |            |         |           |    |
| Below Balance          | ✓                      | ✓            | ✓             | ✓                         | ✓               | ✓        |           | ✓          |         |           |    |
| Dynamic Weighing       | ✓                      | ✓            | ✓             | ✓                         | ✓               |          |           |            |         |           |    |
| Filling                |                        | ✓            | ✓             | ✓                         |                 |          |           |            |         |           |    |
| Totalization           | ✓                      |              |               |                           | ✓               |          |           | ✓          |         |           |    |
| Gross/Net/Tare         | ✓                      | ✓            | ✓             | ✓                         |                 |          |           |            |         |           |    |
| Statistics             | ✓                      | ✓            |               | ✓                         |                 |          | ✓         |            |         |           |    |
| Formulation            |                        | ✓            |               | ✓                         |                 |          |           |            |         |           |    |
| Differential Weighing  |                        | ✓            |               | ✓                         |                 |          |           |            |         |           |    |
| Display Hold           |                        |              |               |                           | ✓               |          |           | ✓          |         |           |    |
| Density Determination  | ✓                      | ✓            |               |                           |                 |          |           |            |         |           |    |
| Pipette Calibration    | ✓                      | ✓            |               |                           |                 |          |           |            |         |           |    |
| GLP/GMP                | ✓                      | ✓            | ✓             | ✓                         | ✓               |          | ✓         |            |         |           |    |
| High Point             | ✓                      |              |               |                           |                 |          |           |            |         |           |    |
| Moisture Determination |                        |              |               |                           |                 |          | ✓         |            |         |           |    |
| SQC                    |                        | ✓            |               |                           |                 |          |           |            |         |           |    |
| NTEP Certified         |                        | ✓            | Optional      |                           | Optional        |          |           |            |         |           |    |

## BALANCE SELECTOR

| Capacity   | Readability |   |   |   |   |            |
|------------|-------------|---|---|---|---|------------|
|            | Analytical  |   | Precision                               |   |   |            |
|            | 0.01mg      | 0.1mg   | 1mg/0.001g                              | 10mg/0.01g                              | 100mg/0.1g  | 1g         |
| Under 100g | Discovery   | Voyager Pro/Explorer Pro/Discovery/Adventurer Pro/Pioneer | Adventurer Pro/MB Series                |   |   |            |
| 100 - 120g |             | Voyager Pro/Explorer Pro/Discovery/Adventurer Pro/Pioneer |   |   | Hand-Held   |            |
| 150g       |             |   | Pioneer                                 |   |   |            |
| 200 - 260g |             | Voyager Pro/Explorer Pro/Discovery/Adventurer Pro/Pioneer | Voyager Pro/Explorer Pro/Adventurer Pro | Adventurer Pro/Scout Pro                | Compact/CL  |            |
| 310 - 320g |             | Discovery   | Adventurer Pro/Pioneer                  | Pioneer                                 | Hand-Held   |            |
| 400 - 410g |             |   | Voyager Pro/Explorer Pro                | Adventurer Pro/Scout Pro                | Scout Pro   |            |
| 510g       |             |   | Pioneer                                 |   |   |            |
| 600 - 610g |             |   | Voyager Pro/Explorer Pro                | Voyager Pro/Explorer Pro/Scout Pro      | Scout Pro/Triple Beam                                     |            |
| 810g       |             |   |   | Adventurer Pro                          | Pioneer   |            |
| 1 - 1.5 kg |             |   |   | Pioneer                                 |   |            |
| 2 - 2.1kg  |             |   |   | Voyager Pro/Explorer Pro/Adventurer Pro | Adventurer Pro/Scout Pro/Triple Beam/Harvard Trip/        | Compact/CL |
| 3 - 3.1kg  |             |   |   | Adventurer Pro/Pioneer                  | Pioneer   |            |
| 4 - 4.1kg  |             |   |   | Voyager Pro/Explorer Pro                | Voyager Pro/Explorer Pro/Adventurer Pro/Pioneer/Scout Pro |            |
| 5kg        |             |   |   |   |   | Compact/CL |
| 6 - 6.1kg  |             |   |   | Voyager Pro/Explorer Pro                | Voyager Pro/Explorer Pro/Scout Pro                        | Scout Pro  |
| 8.1kg      |             |   |   |   | Voyager Pro/Explorer Pro/Adventurer Pro                   |            |
| 12kg       |             |   |   |   | Explorer Pro  |            |
| 20 - 25kg  |             |   |   |   | Explorer Pro  |            |
| 30 - 35kg  |             |   |   |   | Explorer Pro  |            |



## OHAUS

For over 100 years OHAUS Corporation has been a global leader in the manufacture and design of balances and scales. Known worldwide for accuracy and durability, our products are designed with the features needed today and the flexibility to meet the needs of tomorrow.

Headquartered in the United States, OHAUS has offices in Europe, Asia and Latin America. Authorized dealers around the world provide superior customer service and quality products for our customers.

An ISO 9001:2000 registered manufacturer, OHAUS is dedicated to excellence in customer service and product performance.

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## LEGEND

Use these icons to find the features and applications you need in your lab.

|                       |                         |                       |                              |                     |
|-----------------------|-------------------------|-----------------------|------------------------------|---------------------|
|                       |                         |                       |                              |                     |
| Parts Counting        | Dynamic/Animal weighing | Check-weighing        | Percent Weighing             | SQC                 |
|                       |                         |                       |                              |                     |
| Differential Weighing | Gross/Net/Tare          | Formulation           | Pipette Calibration          | Filling             |
|                       |                         |                       |                              |                     |
| Hi Point              | Statistics              | Density Determination | Totalization                 | Moisture Analysis   |
|                       |                         |                       |                              |                     |
| Display Hold          | Multi-language          | Time/Date             | GLP Data Output              | Backlight           |
|                       |                         |                       |                              |                     |
| Weigh Below Hook      | Internal Calibration    | Battery Power         | RS232 Interface              | RS232/USB Interface |
|                       |                         |                       |                              |                     |
| Measurement Canada    | NTEP Certified          | OIML Approved         | SPG<br>Specific Gravity Mode | IP65 Models         |



Advanced dual mass AutoCal™



Discovery shown with optional density determination kit.

## DISCOVERY

The professional's choice for analytical applications

- ✓ **SmarText™ Software guides users through application use and balance setup**
- ✓ **Best weighing performance in its price class**
- ✓ **mg, g, ct, oz, ozt, GN, dwt, m, t HK, t SG, t TW, custom unit**
- ✓ **Advanced Dual Mass AutoCal™**

This family of durable, reliable balances delivers the performance and precision you would expect to find only in premium-priced balances.

The new OHAUS Discovery series of semi-micro and analytical balances combine unmatched weighing performance with OHAUS' innovative SmarText™ software, making it extremely reliable and easy-to-use. The Discovery features durable glass and steel construction and together with advanced AutoCal™ internal calibration make it the best performing balance in its class.



OIML Approved

|                     |                         |                       |                  |                 |                  |            |                      |
|---------------------|-------------------------|-----------------------|------------------|-----------------|------------------|------------|----------------------|
|                     |                         |                       |                  |                 |                  |            |                      |
| Parts Counting      | Dynamic/Animal weighing | Check-weighing        | Percent Weighing | Totalization    | Hi Point         | Statistics | Internal Calibration |
|                     |                         |                       |                  |                 |                  |            |                      |
| Pipette Calibration | Gross/Net/Tare          | Density Determination | Time/Date        | GLP Data Output | Weigh Below Hook | Backlight  | RS232 Interface      |

| Item #                         | DV114C                           | DV214C   | DV314C   | DV215CD      |
|--------------------------------|----------------------------------|----------|----------|--------------|
| Capacity (g)                   | 110                              | 210      | 310      | 81* / 210    |
| Readability (mg)               | 0.1                              |          |          | 0.01* / 0.1  |
| Repeatability (Std. Dev.) (mg) | 0.1                              |          | 0.2      | 0.02* / 0.1  |
| Linearity (mg)                 | ±0.2                             |          | ±0.5     | ±0.03* / 0.2 |
| Pan Size (in/cm)               | 3.5 / 9 Diameter                 |          |          |              |
| Dimensions (W×H×D) (in/cm)     | 7.9 × 11.8 × 18 / 20 × 30 × 45.7 |          |          |              |
| Span Mass (g)                  | 100                              | 200      | 200      | 200          |
| Mass Item # (optional)         | 49015-11                         | 49025-11 | 49025-11 | 49025-11     |

\*DualRange™

| Discovery Accessories |  |
|-----------------------|--|
| OHAUS #               | Description  |
| 80252042              | Dot Matrix Printer                                   |
| 80252571              | Cable kit to connect Dot Matrix Printer to Discovery |
| 80251932              | Paper for Dot Matrix Printer                         |
| 80251933              | Ink Ribbon for Dot Matrix Printer                    |
| 80251992              | Thermal Printer                                      |
| 80251931              | Paper for Thermal Printer                            |
| 80252581              | Cable kit to connect Thermal Printer to Discovery    |
| 80500746              | Ohaus Collect Software                               |
| SW12W                 | TAL Software WinWedge                                |
| 80500524              | RS232 Cable, PC 25 Pin to Discovery                  |
| 80500525              | RS232 Cable, PC 9 Pin to Discovery                   |
| 9773-79               | Plastic Dust Cover for Discovery                     |
| 12103498              | Replacement In-Use Cover for Discovery               |
| 77401-00              | Security Device for Discovery                        |
| 77402-00              | Density Determination Kit for Discovery              |
| 49015-11              | 100g Weight ASTM Class I                             |
| 49025-11              | 200g Weight ASTM Class I                             |





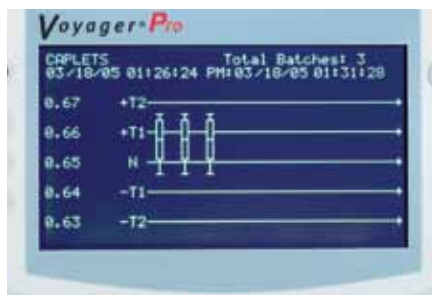
## VOYAGER® PRO

Intelligent performance—no matter how difficult the task

- ✓ **Standard AutoCal™ internal calibration**
- ✓ **SmarText™ Software guides users through application use and balance setup**
- ✓ **Advanced software includes Statistics, Formulation, Differential Weighing, Statistical QC, Density Determination and Pipette Calibration**
- ✓ **mg, g, oz, ct, dwt, ozt, GN, m, t HK, t SG, t TW, custom unit**
- ✓ **Standard NTEP certification**

Voyager Pro's advanced applications simplify even the most complex laboratory measurements and eliminates the need for time consuming manual calculations and data logging. The high resolution dot matrix display and intuitive user interface make balance setup and use effortless. For superior weighing performance, Voyager Pro's AutoCal™ feature automatically calibrates the balance when it senses a temperature change sufficient enough to affect weighing accuracy.

|                  |                         |                 |                       |                       |             |                 |                     |
|------------------|-------------------------|-----------------|-----------------------|-----------------------|-------------|-----------------|---------------------|
|                  |                         |                 |                       |                       |             |                 |                     |
| Parts Counting   | Dynamic/Animal weighing | Check-weighing  | Percent Weighing      | Differential Weighing | Formulation | Gross/Net/Tare  | Pipette Calibration |
|                  |                         |                 |                       |                       |             |                 |                     |
| SQC              | Filling                 | Statistics      | Density Determination | Multi-language        | Time/Date   | GLP Data Output | Backlight           |
|                  |                         |                 |                       |                       |             |                 |                     |
| Weigh Below Hook | Internal Calibration    | RS232 Interface | NTEP Certified        | OIML Approved         |             |                 |                     |



Statistical Quality Control application



Density application



Voyager Pro shown with optional density determination kit.

| Item #                     | VP64CN                           | VP114CN  | VP214CN    | VP214DCN* |
|----------------------------|----------------------------------|----------|------------|-----------|
| Capacity (g)               | 62                               | 110      | 210        | 100 / 210 |
| Readability (mg)           | 0.1                              |          | 0.1 / 1    |           |
| Linearity (mg)             | ±0.2                             |          | ±0.2 / 0.5 |           |
| Pan Size (in/cm)           | 3.5 / 9 Diameter                 |          |            |           |
| Dimensions (W×H×D) (in/cm) | 8.3 × 13.8 × 13.8 / 21 × 35 × 35 |          |            |           |
| Span Mass (g)              | 50                               | 100      | 200        | 200       |
| Mass Item # (opt.)         | 49054-11                         | 49015-11 | 49025-11   | 49025-11  |

\*Moveable FineRange™

| Voyager® Pro Accessories |   |
|--------------------------|---|
| OHAUS #                  | Description   |
| 80252042                 | Dot Matrix Printer  |
| 80500570                 | Cable kit to connect Dot Matrix Printer to Voyager Pro                |
| 80251932                 | Paper for Dot Matrix Printer  |
| 80251933                 | Ink Ribbon for Dot Matrix Printer                                     |
| 80251992                 | Thermal Printer   |
| 80251931                 | Paper for Thermal Printer   |
| 80252580                 | Cable kit to connect Thermal Printer to Voyager Pro                   |
| 80500746                 | Ohaus Collect Software  |
| SW12W                    | TAL Software WinWedge   |
| AS017-09                 | RS232 Cable, PC 9 Pin to Voyager Pro                                  |
| AS017-02                 | RS232 Cable, PC 25 Pin to Voyager Pro                                 |
| 80850042                 | In-Use Cover for Voyager Pro  |
| 470004-010               | Security Device for Voyager Pro up to 8kg                             |
| 80253384                 | Density Determination Kit for Voyager Pro analytical balances (0.1mg) |

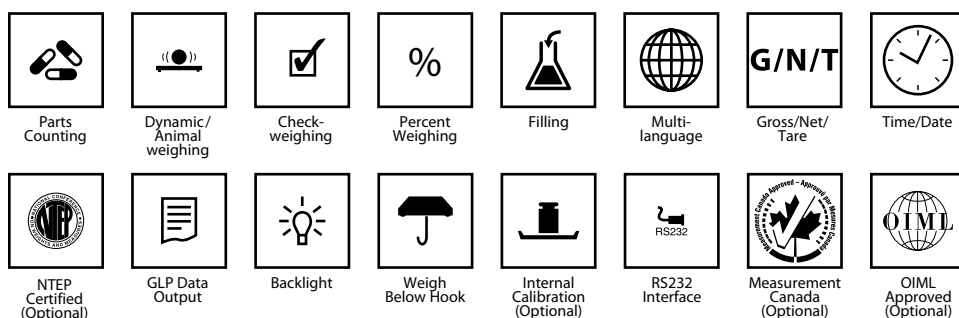


## EXPLORER® PRO

The industry's most easy to use balance

- ✓ **SmarText™ Software guides users through application use and balance setup**
- ✓ **Large, brilliant graphic display for easy reading under all lighting conditions**
- ✓ **Feature-rich software for a wide variety of applications**
- ✓ **mg, g, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, custom unit**
- ✓ **Options include AutoCal™ automatic internal calibration and NTEP certification**

Explorer Pro features an ultra-simple and innovative user interface with on screen text prompts and scroll down menus. One-step operation guides you through Explorer Pro's application modes with a single button press. The high-resolution display is easy to view and displays only the information you want to see. Plus, your investment is protected with Explorer Pro's spill channel and in-use cover.



Explorer Pro's Graphic Display

**For a complete listing of available NTEP Certified models please contact an OHAUS Customer Service Representative.**

| Item # w/ AutoCal™         | EP64C                            | EP114C   | EP214C   | EP214DC*    |
|----------------------------|----------------------------------|----------|----------|-------------|
| Item # w/o AutoCal         | EP64                             | EP114    | EP214    | EP214D*     |
| Capacity (g)               | 62                               | 110      | 210      | 100 / 210   |
| Readability (mg)           | 0.1                              |          |          | 0.1 / 1     |
| Linearity (mg)             | ± 0.2                            |          |          | ± 0.2 / 0.5 |
| Pan Size (in/cm)           | 3.5 / 9 Diameter                 |          |          |             |
| Dimensions (W×H×D) (in/cm) | 8.5 × 15 × 13 / 21.5 × 38.1 × 33 |          |          |             |
| Span Mass (g)              | 50                               | 100      | 200      | 200         |
| Mass Item # (opt.)         | 49054-11                         | 49015-11 | 49025-11 | 49025-11    |

\*Moveable FineRange™

| Explorer® Pro Accessories |  |
|---------------------------|--|
| OHAUS #                   | Description  |
| 80252042                  | Dot Matrix Printer   |
| 80500570                  | Cable kit to connect Dot Matrix Printer to Explorer Pro                |
| 80251932                  | Paper for Dot Matrix Printer   |
| 80251933                  | Ink Ribbon for Dot Matrix Printer                                      |
| 80251992                  | Thermal Printer  |
| 80251931                  | Paper for Thermal Printer  |
| 80252580                  | Cable kit to connect Thermal Printer to Explorer Pro                   |
| 80500746                  | Ohaus Collect Software   |
| SW12W                     | TAL Software WinWedge  |
| AS017-09                  | RS232 Cable, PC 9 Pin to Explorer Pro                                  |
| AS017-02                  | RS232 Cable, PC 25 Pin to Explorer Pro                                 |
| 80253384                  | Density Determination Kit for Explorer Pro analytical balances (0.1mg) |
| 470004-010                | Security Device for Explorer Pro up to 8kg                             |
| 80850042                  | In-Use Cover for Explorer Pro  |





## ADVENTURER™ PRO

The most complete balance in its class

- ✓ **Frameless draftshield for easy access into weighing chamber**
- ✓ **SmarText™ software easily guides users through applications**
- ✓ **QuadraStance™ design for superior stability**
- ✓ **mg, g, kg, lb, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola, custom unit**

The OHAUS Adventurer Pro has established itself as 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.

|                |                         |                                 |  |                          |                           |           |                 |
|----------------|-------------------------|---------------------------------|--|--------------------------|---------------------------|-----------|-----------------|
|                |                         |                                 |  |                          |                           |           |                 |
| Parts Counting | Dynamic/Animal weighing | Check-weighing                  | Percent Weighing                               | Totalization             | Display Hold              | Time/Date | GLP Data Output |
|                |                         |                                 |  |                          |                           |           |                 |
| Backlight      | Weigh Below Hook        | Internal Calibration (Optional) | RS232/USB (2 <sup>nd</sup> Interface Optional) | OIML Approved (Optional) | NTEP Certified (Optional) |           |                 |



Hinged top and sliding side doors allow easy access

Removable front, side and back glass panels



**For a complete listing of available NTEP Certified models contact an OHAUS Customer Service Representative.**

| Item # w/ InCal            | AV64C                              | AV114C   | AV264C                            |
|----------------------------|------------------------------------|----------|-----------------------------------|
| Item # w/o InCal           | AV64                               | AV114    | AV264                             |
| Capacity (g)               | 65                                 | 110      | 260                               |
| Readability (mg)           | 0.1                                |          |                                   |
| Linearity (mg)             | ± 0.2                              |          | ± 0.3                             |
| Pan Size (in/cm)           | 3.5 / 9 Diameter                   |          |                                   |
| Dimensions (W×H×D) (in/cm) | 8.7 × 10.8 × 11.8 / 22 × 27.5 × 30 |          |                                   |
| Span Mass (g)              | 50                                 | 100      | 250                               |
| Mass Item # (optional)     | 49054-11                           | 49015-11 | 49025-11 (200g)<br>49054-11 (50g) |

| Adventurer® Pro Accessories |  |
|-----------------------------|--|
| OHAUS #                     | Description  |
| 80252042                    | Dot Matrix Printer   |
| 80252571                    | Cable kit to connect Dot Matrix Printer to Adventurer Pro                            |
| 80251932                    | Paper for Dot Matrix Printer   |
| 80251933                    | Ink Ribbon for Dot Matrix Printer  |
| 80251992                    | Thermal Printer  |
| 80251931                    | Paper for Thermal Printer  |
| 80252581                    | Cable kit to connect Thermal Printer to Adventurer Pro                               |
| 80500746                    | Ohaus Collect Software   |
| SW12W                       | TAL Software WinWedge  |
| 80500524                    | RS232 Cable, PC 25 Pin to Adventurer Pro   |
| 80500525                    | RS232 Cable, PC 9 Pin to Adventurer Pro  |
| 80253384                    | Density Determination Kit for Adventurer Pro analytical balances (0.1mg) except AV53 |
| 76288-01                    | Security Device for Adventurer Pro   |
| 12103879                    | In-Use Cover for Adventurer Pro (large housing)                                      |
| 80850092                    | RS232 (2nd) Accessory kit for Adventurer Pro   |
| 83033014                    | USB Accessory kit for Adventurer Pro   |



## PIONEER™

High Performance at an economical price

- ✓ RS232 for data connectivity
- ✓ Easy to clean draftshield with sliding top
- ✓ Upfront level indicator
- ✓ mg, g, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola
- ✓ Selectable environmental settings

Pioneer—our newest analytical line of balances. Full featured, simple to use. All the quality you have come to expect from OHAUS in an economical package.



Parts Counting



Percent Weighing



Weigh Below Hook

| Item #                | PA64                                 | PA114    | PA214    |
|-----------------------|--------------------------------------|----------|----------|
| Capacity (g)          | 65                                   | 110      | 210      |
| Readability (mg)      | 0.1                                  | 0.1      | 0.1      |
| Linearity (mg)        | ± 0.2                                | ± 0.2    | ± 0.3    |
| Platform Size (in/cm) | 3.54 / 9 Diameter                    |          |          |
| Dimensions (in/cm)    | 7.7 × 11.3 × 12.6 / 19.6 × 28.7 × 32 |          |          |
| Span Mass (g)         | 50                                   | 100      | 200      |
| Mass Item # (opt.)    | 49054-11                             | 49015-11 | 49025-11 |

### Pioneer™ Accessories

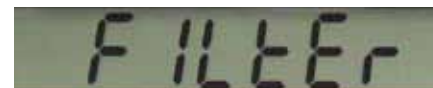
| OHAUS #  | Description   |
|----------|---|
| 80252042 | Dot Matrix Printer  |
| 80252571 | Cable kit to connect Dot Matrix Printer to Pioneer                |
| 80251932 | Paper for Dot Matrix Printer                                      |
| 80251933 | Ink Ribbon for Dot Matrix Printer                                 |
| 80251992 | Thermal Printer   |
| 80251931 | Paper for Thermal Printer   |
| 80252581 | Cable kit to connect Thermal Printer to Pioneer                   |
| 80500746 | Ohaus Collect Software  |
| SW12W    | TAL Software WinWedge   |
| 80500525 | RS232 Cable, PC 9 Pin to Pioneer                                  |
| 80500524 | RS232 Cable, PC 25 Pin to Pioneer                                 |
| PAD7     | Auxiliary Display Kit for Pioneer                                 |
| 80253384 | Density Determination Kit for Pioneer analytical balances (0.1mg) |
| 76288-01 | Security Device for Pioneer                                       |



Built-in security bracket



Removable doors for easy access and cleaning



Selectable environmental settings for working in practically any condition



RS232 interface for data connectivity



Removable winding



1mg models include draftshield.



Voyager Pro's backlit graphic display.



Select from six advanced software applications.

## VOYAGER® PRO

Intelligent performance—no matter how difficult the task

- ✓ **Standard AutoCal™ internal calibration**
- ✓ **SmarText™ Software guides users through application use and balance setup**
- ✓ **Easy-to-use software with text prompts that guide you through application use and balance setup**
- ✓ **mg, g, kg, oz, ozt, lb, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, custom unit**
- ✓ **Standard NTEP certification**

Voyager Pro's advanced applications simplify even the most complex laboratory measurements and eliminates the need for time consuming manual calculations and data logging. The high resolution dot matrix display and intuitive user interface make balance setup and use effortless. For superior weighing performance, Voyager Pro's AutoCal™ feature automatically calibrates the balance when it senses a temperature change sufficient enough to affect weighing accuracy.

|                  |                         |                 |                       |                       |             |                     |                |
|------------------|-------------------------|-----------------|-----------------------|-----------------------|-------------|---------------------|----------------|
|                  |                         |                 |                       |                       |             |                     |                |
| Parts Counting   | Dynamic/Animal weighing | Check-weighing  | Percent Weighing      | Differential Weighing | Formulation | Pipette Calibration | Gross/Net/Tare |
|                  |                         |                 |                       |                       |             |                     |                |
| SQC              | Filling                 | Statistics      | Density Determination | Multi-language        | Time/Date   | GLP Data Output     | Backlight      |
|                  |                         |                 |                       |                       |             |                     |                |
| Weigh Below Hook | Internal Calibration    | RS232 Interface | NTEP Certified        | OIML Approved         |             |                     |                |

| Item #                    | VP213CN                            | VP413CN  | VP613CN  | VP413DCN*    | VP612CN                           | VP2102CN | VP4102CN | VP6102CN | VP4102DCN* | VP4101CN | VP6101CN | VP8101CN    |
|---------------------------|------------------------------------|----------|----------|--------------|-----------------------------------|----------|----------|----------|------------|----------|----------|-------------|
| Capacity (g)              | 210                                | 410      | 610      | 100/410      | 610                               | 2100     | 4100     | 6100     | 1000/4100  | 4100     | 6100     | 8100        |
| Readability (g)           | 0.001                              |          |          | 0.001/0.01   | 0.01                              |          |          |          | 0.01/0.1   | 0.1      |          |             |
| Linearity (g)             | ±0.002                             |          |          | ±0.002/0.005 | ±0.02                             |          |          | ±0.04    | ±0.02/0.05 | ±0.1     |          |             |
| Pan Size (in/cm)          | 4.7 / 12 Diameter                  |          |          |              | 6.8 × 6.8 / 17.2 × 17.2           |          |          |          |            |          |          |             |
| Dimensions (W×H×D)(in/cm) | 8.3 × 13.8 × 13.8 / 21.5 × 35 × 35 |          |          |              | 8.5 × 4 × 13.8 / 21.5 × 10.3 × 35 |          |          |          |            |          |          |             |
| Span Mass (g)             | 200                                | 400      | 500      | 400          | 500                               | 2000     | 4000     | 5000     | 4000       | 4000     | 5000     | 8000        |
| Mass Item # (opt.)        | 49025-11                           | 49045-11 | 49055-11 | 49045-11     | 49055-11                          | 49026-11 | 49046-11 | 80781001 | 49046-11   | 49046-11 | 80781001 | 49046-11(2) |

\*Moveable FineRange™



AutoCal™ internal calibration

| Voyager® Pro Accessories |   |
|--------------------------|---|
| OHAUS #                  | Description   |
| 80252042                 | Dot Matrix Printer  |
| 80500570                 | Cable kit to connect Dot Matrix Printer to Voyager Pro                |
| 80251932                 | Paper for Dot Matrix Printer  |
| 80251933                 | Ink Ribbon for Dot Matrix Printer                                     |
| 80251992                 | Thermal Printer   |
| 80251931                 | Paper for Thermal Printer   |
| 80252580                 | Cable kit to connect Thermal Printer to Voyager Pro                   |
| 80500746                 | Ohaus Collect Software  |
| SW12W                    | TAL Software WinWedge   |
| AS017-09                 | RS232 Cable, PC 9 Pin to Voyager Pro                                  |
| AS017-02                 | RS232 Cable, PC 25 Pin to Voyager Pro                                 |
| 80850042                 | In-Use Cover for Voyager Pro  |
| 470004-010               | Security Device for Voyager Pro up to 8kg                             |
| 80253384                 | Density Determination Kit for Voyager Pro analytical balances (0.1mg) |

## EXPLORER® PRO

The industry's most easy to use balance

- ✓ Large, brilliant graphic display for easy reading under all lighting conditions
- ✓ SmarText™ Software guides users through application use and balance setup
- ✓ Feature-rich software for a wide variety of applications
- ✓ mg, g, kg, oz, ozt, lb, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, custom unit
- ✓ Options include AutoCal™ automatic internal calibration and NTEP certification

Explorer Pro features an ultra-simple and innovative user interface with on screen text prompts and scroll down menus. One-step operation guides you through Explorer Pro's application modes with a single button press. The high-resolution display is easy to view and displays only the information you want to see. Plus, your investment is protected with Explorer Pro's spill channel and in-use cover.



Removable winding

1mg models include draftshield.



Explorer Pro's backlit graphic display

|                           |                 |                         |                  |                                 |                 |                               |                          |
|---------------------------|-----------------|-------------------------|------------------|---------------------------------|-----------------|-------------------------------|--------------------------|
|                           |                 |                         |                  |                                 |                 |                               |                          |
| NTEP Certified (Optional) | Parts Counting  | Dynamic/Animal weighing | Check-weighing   | Percent Weighing                | Filling         | Multi-language                | Gross/Net/Tare           |
|                           |                 |                         |                  |                                 |                 |                               |                          |
| Time/Date                 | GLP Data Output | Backlight               | Weigh Below Hook | Internal Calibration (Optional) | RS232 Interface | Measurement Canada (Optional) | OIML Approved (Optional) |

For a complete listing of available NTEP Certified models contact an OHAUS Customer Service Representative.

| Item # w/ AutoCal™       | EP213C                           | EP413C   | EP613C   | EP413DC*     | EP612C                               | EP2102C  | EP4102C  | EP6102C    | EP4102DC*             | EP4101C**  | EP6101C** | EP8101C**   |      |
|--------------------------|----------------------------------|----------|----------|--------------|--------------------------------------|----------|----------|------------|-----------------------|------------|-----------|-------------|------|
| Item # w/o AutoCal       | EP213                            | EP413    | EP613‡   | EP413D*      | EP612                                | EP2102   | EP4102   | EP6102     | EP4102D*              | EP4101     | EP6101    | EP8101      |      |
| Capacity (g)             | 210                              | 410      | 610      | 100/410      | 610                                  | 2100     | 4100     | 6100       | 1000/4100             | 4100       | 6100      | 8100        |      |
| Readability (g)          | 0.001                            | 0.001    | 0.001    | 0.001/0.01   | 0.01                                 |          |          | 0.01 / 0.1 |                       | 0.1        |           |             |      |
| Linearity (g)            | ±0.002                           |          |          | ±0.002/0.005 |                                      | ±0.02    |          | ±0.04      |                       | ±0.02/0.05 |           |             | ±0.1 |
| Pan Size (in/cm)         | 4.7 / 12 Diameter w/draftshield  |          |          |              | 6.8 × 6.8 / 17.2 × 17.2 w/windshield |          |          |            | 8 × 8 / 20.3 × 20.3** |            |           |             |      |
| Dimensions(W×H×D)(in/cm) | 8.5 × 15 × 13 / 21.5 × 38.1 × 33 |          |          |              | 8.5 × 4 × 13 / 21.5 × 10.1 × 33      |          |          |            |                       |            |           |             |      |
| Span Mass (g)            | 200                              | 400      | 500      | 400          | 500                                  | 2000     | 4000     | 5000       | 4000                  | 4000       | 5000      | 8000        |      |
| Mass Item # (opt.)       | 49025-11                         | 49045-11 | 49055-11 | 49045-11     | 49055-11                             | 49026-11 | 49046-11 | 80781001   | 49046-11              | 49046-11   | 80781001  | 49046-11(2) |      |

‡Not available in LFT (U.S.)/Type Approved version \*Moveable FineRange™ \*\*Balances with AutoCal are equipped with a 6 × 6 in / 17.2 × 17.2cm pan and windshield

| Explorer® Pro Accessories |  |
|---------------------------|--|
| OHAUS #                   | Description  |
| 80252042                  | Dot Matrix Printer   |
| 80500570                  | Cable kit to connect Dot Matrix Printer to Explorer Pro                |
| 80251932                  | Paper for Dot Matrix Printer   |
| 80251933                  | Ink Ribbon for Dot Matrix Printer                                      |
| 80251992                  | Thermal Printer  |
| 80251931                  | Paper for Thermal Printer  |
| 80252580                  | Cable kit to connect Thermal Printer to Explorer Pro                   |
| 80500746                  | Ohaus Collect Software   |
| SW12W                     | TAL Software WinWedge  |
| AS017-09                  | RS232 Cable, PC 9 Pin to Explorer Pro                                  |
| AS017-02                  | RS232 Cable, PC 25 Pin to Explorer Pro                                 |
| 80253384                  | Density Determination Kit for Explorer Pro analytical balances (0.1mg) |
| 470004-010                | Security Device for Explorer Pro up to 8kg                             |
| 80850042                  | In-Use Cover for Explorer Pro  |

## ADVENTURER™ PRO

The most complete balance in its class

- ✓ **SmarText™ software easily guides users through applications**
- ✓ **QuadraStance™ design for superior stability**
- ✓ **mg, g, kg, lb, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola, custom unit**

The Adventurer Pro has established itself as 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.

|                |                         |               |                  |                                 |                          |                                    |              |
|----------------|-------------------------|---------------|------------------|---------------------------------|--------------------------|------------------------------------|--------------|
|                |                         |               |                  |                                 |                          |                                    |              |
| Parts Counting | Dynamic/Animal weighing | Checkweighing | Percent Weighing | Totalization                    | OIML Approved (Optional) | NTEP Certified (Optional)          | Display Hold |
|                |                         |               |                  |                                 |                          |                                    |              |
| Time/Date      | GLP Data Output         | Backlight     | Weigh Below Hook | Internal Calibration (Optional) | Battery Power            | RS232/USB (2nd Interface Optional) |              |



Removable windring

1mg models include draftshield.

| Item # w/ InCal™                     | Not Available                 | AV213C                          | AV313C                       | AV212C   | AV412C                             | AV812C                  | AV2102C               | AV3102C                          | AV2101C                 | AV4101C                            | AV8101C  |  |
|--------------------------------------|-------------------------------|---------------------------------|------------------------------|----------|------------------------------------|-------------------------|-----------------------|----------------------------------|-------------------------|------------------------------------|----------|--|
| Item # w/o InCal                     | AV53*                         | AV213                           | AV313                        | AV212*   | AV412*                             | AV812*                  | AV2102                | AV3102                           | AV2101*                 | AV4101*                            | AV8101*  |  |
| Capacity (g)                         | 51                            | 210                             | 310                          | 210      | 410                                | 810                     | 2100                  | 3100                             | 2100                    | 4100                               | 8100     |  |
| Readability (g)                      |                               | 0.001                           |                              |          | 0.01                               |                         |                       | 0.1                              |                         |                                    |          |  |
| Linearity                            |                               | ±0.002                          |                              |          | ±0.02                              |                         |                       | ±0.2                             |                         |                                    |          |  |
| Pan Size w/InCal (in/cm)             | Not Available                 | 4.7 / 12 Diameter               |                              |          |                                    | 6.6 × 7.1 / 16.8 × 18   |                       |                                  |                         |                                    |          |  |
| Pan Size w/o InCal(in/cm)            | 3.9/10 Dia.                   | 4.7 / 12 Diameter               |                              |          |                                    | 5.8 × 6.3 / 14.9 × 16.2 | 6.6 × 7.1 / 16.8 × 18 |                                  | 5.8 × 6.3 / 14.9 × 16.2 |                                    |          |  |
| Dimensions w/InCal (W×H×D) (in/cm)   | Not Available                 | 8.7 × 7.5 × 11.8 / 22 × 19 × 30 |                              |          | 8.7 × 3.3 × 11.8 / 22 × 8.5 × 30   |                         |                       |                                  |                         |                                    |          |  |
| Dimensions w/o InCal (W×H×D) (in/cm) | 7.5 × 6 × 10 / 19.3×14.4×25.4 | 8.7 × 7.5 × 11.8 / 22 × 19 × 30 |                              |          | 7.6 × 2.8 × 10 / 19.3 × 7.2 × 25.4 |                         |                       | 8.7 × 3.3 × 11.8 / 22 × 8.5 × 30 |                         | 7.6 × 2.8 × 10 / 19.3 × 7.2 × 25.4 |          |  |
| Span Mass (g)                        | 50                            | 200                             | 300                          | 200      | 200                                | 500                     | 2000                  | 3000                             | 2000                    | 2000                               | 5000     |  |
| Mass Item # (optional)               | 49054-12                      | 49025-11                        | 49025-1(200)<br>49015-1(100) | 49025-12 | 49025-12                           | 49055-12                | 49026-11              | 49026-11(2000)<br>49016-11(1000) | 49026-12                | 49026-12                           | 80782001 |  |

\*Battery power capability



USB option



Battery Power option



2-line LCD display with SmarText software.

| Adventurer® Pro Accessories |  |
|-----------------------------|--|
| OHAUS #                     | Description  |
| 80252042                    | Dot Matrix Printer   |
| 80252571                    | Cable kit to connect Dot Matrix Printer to Adventurer Pro                            |
| 80251932                    | Paper for Dot Matrix Printer   |
| 80251933                    | Ink Ribbon for Dot Matrix Printer  |
| 80251992                    | Thermal Printer  |
| 80251931                    | Paper for Thermal Printer  |
| 80252581                    | Cable kit to connect Thermal Printer to Adventurer Pro                               |
| 80500746                    | Ohaus Collect Software   |
| SW12W                       | TAL Software WinWedge  |
| 80500524                    | RS232 Cable, PC 25 Pin to Adventurer Pro   |
| 80500525                    | RS232 Cable, PC 9 Pin to Adventurer Pro  |
| 80253384                    | Density Determination Kit for Adventurer Pro analytical balances (0.1mg) except AV53 |
| 76288-01                    | Security Device for Adventurer Pro   |
| 12103879                    | In-Use Cover for Adventurer Pro (large housing)                                      |
| 80850092                    | RS232 (2nd) Accessory kit for Adventurer Pro   |
| 83033014                    | USB Accessory kit for Adventurer Pro   |



## PIONEER™

High Performance at an economical price

- ✓ **RS232 for data connectivity**
- ✓ **Upfront level indicator**
- ✓ **mg, g, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola**
- ✓ **Selectable environmental settings**

Pioneer—our newest line of precision balances. Full featured, simple to use. All the quality you have come to expect from OHAUS in an economical package.



Parts Counting



Percent Weighing



Weigh Below Hook

1mg models include draftshield.

| Item #                | PA153                                | PA313      | PA512      | PA1502            | PA3102       | PA4101       |
|-----------------------|--------------------------------------|------------|------------|-------------------|--------------|--------------|
| Capacity (g)          | 150                                  | 310        | 510        | 1500              | 3100         | 4100         |
| Readability (g)       | 0.001                                | 0.001      | 0.01       | 0.01              | 0.01         | 0.1          |
| Linearity (g)         | ±0.002                               | ±0.002     | ±0.02      | ±0.02             | ±0.02        | ±0.1         |
| Platform Size (in/cm) | 4.72 / 12 Diameter                   |            |            | 7.1 / 18 Diameter |              |              |
| Dimensions (in/cm)    | 7.7 × 11.3 × 12.6 / 19.6 × 28.7 × 32 |            |            |                   |              |              |
| Span Mass(g)          | 100 or 150                           | 200 or 300 | 200 or 500 | 1000 or 1500      | 2000 or 3000 | 2000 or 4000 |



Selectable environmental settings for working in practically any condition



Built-in security bracket



RS232 interface for data connectivity

### Pioneer™ Accessories

| OHAUS #  | Description   |
|----------|---|
| 80252042 | Dot Matrix Printer  |
| 80252571 | Cable kit to connect Dot Matrix Printer to Pioneer                |
| 80251932 | Paper for Dot Matrix Printer                                      |
| 80251933 | Ink Ribbon for Dot Matrix Printer                                 |
| 80251992 | Thermal Printer   |
| 80251931 | Paper for Thermal Printer   |
| 80252581 | Cable kit to connect Thermal Printer to Pioneer                   |
| 80500746 | Ohaus Collect Software  |
| SW12W    | TAL Software WinWedge   |
| 80500525 | RS232 Cable, PC 9 Pin to Pioneer                                  |
| 80500524 | RS232 Cable, PC 25 Pin to Pioneer                                 |
| PAD7     | Auxiliary Display Kit for Pioneer                                 |
| 80253384 | Density Determination Kit for Pioneer analytical balances (0.1mg) |
| 76288-01 | Security Device for Pioneer                                       |



# Moisture Analysis



## MB SERIES

Redefining value in moisture analysis

Flexible choices with capacities from 35g to 110g and readabilities of 0.01g to 0.001g.

- ✓ **Easy to setup and operate**—The MB45/35 utilize a dot matrix graphic display for quick setup and use. The MB23/25 employ a bright backlit LCD display.
- ✓ **Halogen or IR heating elements**—MB45/35/25 have a fast and even heating halogen lamp, while the MB23 uses a glass free IR heating system.
- ✓ **Simple or Advanced**—The MB45 features powerful software with an integrated database to store 50 drying procedures along with the ability to track statistical data. All products feature multiple shutoff criteria to save time and cost.



MB45 Dot Matrix display

Pan Handler



Statistics



Moisture Analysis



Multi-language



Time/Date



GLP Data Output



Backlight



RS232 Interface

| Item #                       | MB45   | MB35                                      | MB25  | MB23                                  |
|------------------------------|--|---|---|---------------------------------------|
| Capacity (g)                 | 45   | 35  | 110   | 110                                   |
| Readability                  | 0.01%/0.001g   | 0.02%/0.002g                              | 0.05% / 0.005g  | 0.1% / 0.01g                          |
| Repeatability (g)            | 0.05 % (3g sample)<br>0.015 % (10g sample)   | 0.18 % (3g sample)<br>0.05 % (10g sample) | 0.2% (3g sample)<br>0.05% (10g sample)                  | 0.3% (3g sample)<br>0.2% (10g sample) |
| Pan Size (in/cm)<br>Diameter | 3.5/90 Sample Pan Handler included   | 3.5/90 Sample Pan Handler included        | 3.5/90 Sample Pan Handler included                      | 3.5/90 Sample Pan Handler optional    |
| Timer                        | 1-120 Minutes<br>in 10 second increments   | 1-120 Minutes<br>in 30 second increments  | 1 - 99 minutes, 30-second increments to 60 minutes      |                                       |
| Heating Element              | Halogen  | Halogen                                   | Halogen   | IR                                    |
| Temperature Range            | 50° to 200° C in 1° C increments   | 50° to 160° C in 5° C increments          |   |                                       |
| Dimensions (W×H×D) (in/cm)   | 7.5 × 6 × 14 / 19 × 15.2 × 35  |   | 6.5 × 5 × 11 / 17 × 13 × 28                             |                                       |
| Displays                     | % Moisture, % Solids, Time, Weight, Statistics, Temperature, Test ID, Drying Curve | % Moisture, Time, Weight, Temperature     | % moisture or % solids or weight (g), temperature, time |                                       |
| Span Mass (g)                | 20   |   | 50  |                                       |
| Mass Item # (opt.)           | 49024-11   |   | 51054-16  |                                       |



MB25



MB23

### MB Accessories

| OHAUS #    | Description   |
|------------|---|
| 80252042   | Dot Matrix Printer  |
| 80252571   | Cable kit to connect Dot Matrix Printer to Moisture Balance |
| 80251932   | Paper for Dot Matrix Printer                                |
| 80251933   | Ink Ribbon for Dot Matrix Printer                           |
| 80251992   | Thermal Printer   |
| 80251931   | Paper for Thermal Printer                                   |
| 80252581   | Cable kit to connect Thermal Printer to Moisture Balance    |
| 80500746   | Ohaus Collect Software                                      |
| SW12W      | TAL Software WinWedge                                       |
| 80500525   | RS232 Cable, PC 9 Pin to MB45, MB35, MB23 and MB25          |
| 80500524   | RS232 Cable, PC 25 Pin to Pioneer                           |
| 11113857   | Temperature Calibration Kit for MB45, MB35, MB25, MB23      |
| 80850086   | Sample Pans for MB45, MB35, MB25, MB23 (50/box)             |
| 80850088   | Reusable Sample Pans for MB45, MB35, MB25, MB23 (3/pk)      |
| 80850087   | Pads, Glass Fiber for MB45, MB35, MB25, MB23 (200/box)      |
| 470004-010 | Security Device for MB45 and MB35                           |
| 11113873   | Sample Pan Handler for MB45, MB35, MB25, MB23               |
| 80850085   | In-Use Cover for MB45 and MB35                              |



MB25/23 Display



MB25/23 RS232 interface connection

## SCOUT® PRO

Hands Down—the industry's best portable balance

- ✓ Mechanical and software protection provides superior resistance to shock and overloading
- ✓ Easy, snap-in RS232 or USB interface accessory
- ✓ g, kg\*, oz, ozt, lbs and combined lb:oz display\*\*, dwt
- ✓ Software lock switch and integrated transportation lock

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

\*kg available in models SP202, SP402, SP602, SP401, SP601 \*\*lbs and lb:oz available in models SP202, SP402, SP401



Mechanical and software overload protection



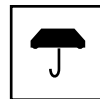
Parts Counting



Percent Weighing



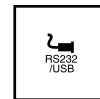
Totalization



Weigh Below Hook



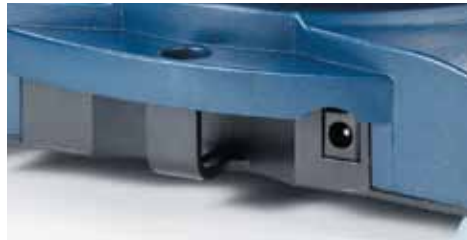
Display Hold



RS232 / USB Interface (Optional)



Battery Power

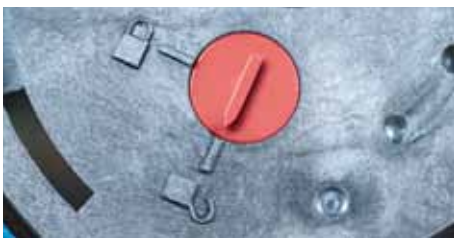


Integrated security bracket accommodates accessory security device.



Internal RS232 or USB port with integrated cable.

| Item #                     | SP202                                | SP402    | SP602    | SP401    | SP601                   | SP2001   | SP4001       | SP6001       | SP6000       |    |
|----------------------------|--------------------------------------|----------|----------|----------|-------------------------|----------|--------------|--------------|--------------|----|
| Capacity (g)               | 200                                  | 400      | 600      | 400      | 600                     | 2000     | 4000         | 6000         | 6000         |    |
| Readability (g)            | 0.01                                 |          |          | 0.1      |                         |          | 1            |              | 1            |    |
| Linearity                  | ±0.01                                |          | ±0.02    |          | ±0.1                    |          |              | ±0.02        |              | ±1 |
| Pan Size (in/cm)           | 4.7 / 12 Diameter                    |          |          |          | 6.5 × 5.5 / 16.5 × 14.2 |          |              |              |              |    |
| Dimensions (W×H×D) (in/cm) | 7.56 × 2.13 × 8.27 / 19.2 × 5.4 × 21 |          |          |          |                         |          |              |              |              |    |
| Span Mass (g)              | 200                                  | 200      | 300      | 200      | 300                     | 2000     | 4000         | 6000         | 4000         |    |
| Mass Item # (opt.)         | 51025-16                             | 51025-16 | 51025-16 | 51025-16 | 51035-16                | 51026-16 | 51026-16 (2) | 51026-16 (2) | 51026-16 (2) |    |



Transportation lock

### Scout® Pro Accessories

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



## VALOR™ 3000 XTREME

Stainless steel design in a high performance, easy-to-use, portable scale

- ✓ 10x capacity rated overload protection
- ✓ Easy-to-clean stainless steel pan and housing
- ✓ Bright backlit LCD
- ✓ g, kg, decimal or fractional oz, fluid oz (of water), lb, lb:oz
- ✓ 4 large non-slip adjustable rubber feet
- ✓ SmarText™ user interface guides users through application use and scale setup



The Valor 3000 Xtreme offers high precision readability, durability, and ease-of-use, in a sleek and stainless steel housing. Washdown versions models ensure that the Valor 3000 Xtreme meets the needs of even the most demanding environments.

|                  |               |                       |             |           |
|------------------|---------------|-----------------------|-------------|-----------|
| %                | 🔋             | SPG                   | 💧           | 💡         |
| Percent Weighing | Battery Power | Specific Gravity Mode | IP65 Models | Backlight |

| Item #                | WASHDOWN                          |          | WASHDOWN                |               |                         |        | WASHDOWN |        | WASHDOWN |       |
|-----------------------|-----------------------------------|----------|-------------------------|---------------|-------------------------|--------|----------|--------|----------|-------|
|                       | V31XH202                          | V31XH402 | V31XW301                | V31X501       | V31XH2                  | V31XW3 | V31XH4   | V31XW3 | V31XW6   | V31X6 |
| Capacity (g)          | 200                               | 400g     | 300                     | 500           | 2000                    | 3000   | 4000     | 3000   | 6000     | 6000  |
| Readability (g)       | 0.01                              | 0.01g    | 0.1                     | 0.1g          | 0.1                     | 1      | 0.1g     | 0.5    | 1        | 1     |
| Linearity (g)         | ±0.01                             |          | ±0.2                    | ±0.1          |                         | ±1     | ±0.1     | ±1     | ±2       | ±1    |
| Platform Size (in/cm) | 4.7 / 12 Diameter                 |          | 5.8 × 6.2 / 14.6 × 15.8 | 4.7 / 12 Dia. | 5.8 × 6.2 / 14.6 × 15.8 |        |          |        |          |       |
| Dimensions (in/cm)    | 8.5 × 7.3 × 3 / 21.8 × 18.6 × 7.7 |          |                         |               |                         |        |          |        |          |       |
| Span Mass (g)         | 200                               | 400      | 300                     | 500           | 2000                    | 3000   | 4000     | 3000   | 6000     | 6000  |



Carrying Case

| Valor™ 3000 Xtreme Accessories |   |
|--------------------------------|---|
| OHAUS #                        | Description   |
| 80251216                       | Hard Shell Carrying Case for Valor 3000 Xtreme  |
| 80251147                       | Sandwich Pan  |
| 80251148                       | French Fries / Taco Holder  |
| 80251149                       | Ice Cream Cone Holder   |
| 3369-10                        | Polypropylene Maxi-Scoop™ 10 in Diameter × 2.5 in deep (25.4cm Diameter × 6.4cm Deep) with pouring spout, weight 145g |
| 80250954                       | Stainless Steel Scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5cm)  |
| 80250400                       | Stainless Steel Scoop 11.9 × 7.38 × 1.69 in   |



Sandwich Pan



Ice Cream Cone Holder



French Fries/Taco Holder



**STAINLESS STEEL PAN AND  
AC POWER PACK INCLUDED!  
A \$40 VALUE!**

## COMPACT

The economical portable scale

- ✓ **Best overall overload protection and durability in its class**
- ✓ **Superior RF protection for use in production areas**
- ✓ **g, lb:oz, Newton**
- ✓ **Battery or AC powered**
- ✓ **Available with Postal charts and metal letter holders**

From the laboratory 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 and quick weighing has never been so easy!

| Item #                     | CS200                               | CS2000   | CS5000   |
|----------------------------|-------------------------------------|----------|----------|
| Capacity × Readability (g) | 200 × 0.1                           | 2000 × 1 | 5000 × 1 |
| Linearity (g)              | ±0.1                                | ±1       | ±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     |
| Mass Item # (optional)     | 51025-16                            | 51016-16 | 51026-16 |



## HAND-HELD

Convenient, compact weighing in the palm of your hand

- ✓ **Backlit display for easy viewing in low light**
- ✓ **g, oz, dwt, ozt\***
- ✓ **Protective snap-on cover**

Small enough to fit in your pocket, this electronic scale is great for your prep work and field experiments. Why carry bulky equipment when you can easily take our hand-helds with you?

\*oz, ozt, and dwt only available in models HH120 and HH320



Small enough to carry in your lab coat pocket!

| Item #                     | HH120D                               | HH120     | HH320     |
|----------------------------|--------------------------------------|-----------|-----------|
| Capacity × Readability (g) | 0-60 × 0.1<br>60-120 × 0.2           | 120 × 0.1 | 320 × 0.1 |
| Linearity (g)              | 0-60 : ±0.1<br>60-120 : ±0.2         | ±0.1      | ±0.2      |
| Pan Size (in/cm)           | 3.25 × 3.0 / 8.3 × 7.6               |           |           |
| Dimensions (W×H×D) (in/cm) | 5.35 × 3.25 × 0.8 / 13.6 × 8.3 × 2.0 |           |           |
| Span Mass (g)              | 100                                  | 100       | 200       |
| Mass Item # (optional)     | 51015-16                             | 51015-16  | 51025-16  |



## CL SERIES

Simple weighing at an affordable price

- ✓ **Load cell lock protects scales when transported or stacked for storage**
- ✓ **g, ozt, lb:oz, dwt**
- ✓ **Auto shut-off**

The OHAUS CL is a portable scale for basic weighing in grams. Two easy-to-use buttons let you start weighing right out of the box. Use it in the office, lab or carry it with you anywhere.

| Item #                     | CL201                         | CL2000   | CL5000   |
|----------------------------|-------------------------------|----------|----------|
| Capacity × Readability (g) | 200 × 0.1                     | 2000 × 1 | 5000 × 1 |
| Linearity (g)              | ±0.1                          | ±1       | ±1       |
| Pan Size (in/cm)           | 4.75/12 Diameter              |          |          |
| Dimensions (W×H×D) (in/cm) | 5.5 × 1.6 × 7.9 / 14 × 4 × 20 |          |          |
| Span Mass (g)              | 100                           | 100      | 200      |
| Mass Item # (optional)     | 51015-16                      | 51015-16 | 51025-16 |





## TRIPLE BEAM

The standard for over 75 years

- ✓ Three notched and tiered beams with center reading
- ✓ Four weighing platforms to choose from
- ✓ Spring loaded zero adjust compensator

Whether you're weighing solids, liquids, powders or even animals, the OHAUS Triple Beam balance can handle the job. The 700/1600 Series provides the convenience of a toploading balance with the durability and versatility to accommodate a range of lab applications. Some models have a tare beam to allow containers up to 225g to be balanced out, and a variety of weighing platforms are also available.

| Model   | Triple Beam  |        |                                 |                     |        |                      | Dial-O-Gram®   |         |         |
|---|--|--------|---------------------------------|---------------------|--------|----------------------|--|---------|---------|
| Item #  | 710-00   | 710-T0 | 720-S0                          | 730-00              | 750-S0 | 760-00               | 1610-00  | 1650-00 | 1650-W0 |
| Capacity (g)  | 610  |        |                                 |                     |        |                      | 610  | 2610    |         |
| Readability (g)   | 0.1  |        |                                 |                     |        |                      | 0.1  |         |         |
| Calibrations:   | Front Beam 10g x 0.1g<br>Middle Beam 500g x 100g<br>Rear Beam 100g x 10g<br>Dial — |        |                                 |                     |        |                      | 225g tare<br>500g x 100g<br>100g x 10g<br>10g x 0.1g |         |         |
| Stainless Steel Pan Size (in/cm)<br>Platform Diameter x Depth | 6 x 0.8 / 15.2 x 1.9   |        | —                               |                     |        | 6 x 0.8 / 15.2 x 1.9 | —  |         |         |
| Stainless Steel Scoop<br>L x W x D (in/cm)                    | —  |        | 12 x 6 x 2.75 / 30.5 x 15.2 x 7 |                     | —      |                      |  |         |         |
| Animal Container<br>Diameter x Height (in/cm)                 | —  |        |                                 | 9 x 6 / 22.9 x 15.2 |        | —                    |  |         |         |
| Stainless Steel Plate Platform<br>Diameter (in/cm)            | —  |        |                                 | 6 / 15.2            |        | —                    | 6 / 15.2   |         |         |
| Tare Range (g)  | —  | 225    | —                               |                     |        | 225                  | 225  |         |         |



Stainless steel scoop (model 720-S0)



Animal weighing container (model 730-00)

| Triple Beam Accessories |   |
|-------------------------|---|
| OHAUS #                 | Description   |
| 703-00                  | Polypropylene Scoop, 12 x 6 x 2.75 in / 30.5 x 15.2 x 7cm   |
| 703-S0                  | Stainless Steel Scoop, 12 x 6 x 2.75 in / 30.5 x 15.2 x 7cm   |
| 704-00                  | Polypropylene Maxi-Scoop, 10 Diameter x 2.5 in Deep / 25.4 Diameter x 6.4cm Deep (with pouring spout) and counterweight |
| 706-00                  | Vinyl Dust Cover  |
| 183-00                  | Rod and Clamp Assembly  |



## INCREDIBLE 10 YEAR WARRANTY!

| Triple Pro Accessories              |                   |       |
|-------------------------------------|-------------------|-------|
| Security Device for Loop            | Item # 76288-01   | \$49  |
| Security Device for Kensington slot | Item # 470004-010 | \$119 |
| Rod and Clamp Assembly              | Item # 183-00     | \$36  |

## TRIPLE BEAM PRO™

- ✓ Ergonomically designed easy-grip carrying handle
- ✓ Two notched and tiered beams to provide ease in reading
- ✓ Magnetic damping reduces oscillation to speed up weighing

Accurate, dependable and stylish; the new Ohaus Triple Pro™ Balance offers it all, the superior quality and durability you've come to expect from Ohaus plus all the extras to satisfy every laboratory activity requiring a balance.

| Item #                                     | TP2611   |
|--|--|
| Capacity                                   | 2610g (when using the attachment weight set-included)                    |
| Readability                                | 0.1g   |
| Calibrations:                              | Front Beam 10g x 0.1g<br>Middle Beam 500g x 100g<br>Rear Beam 100g x 10g |
| Stainless Steel Plate<br>Platform Diameter | 5.8" x 5.8"  |
| Tare Range                                 | —  |



## HARVARD TRIP

Solid construction & classic performance

- ✓ **Highly versatile and rugged**
- ✓ **Two-pan design ideal for comparative weighing**
- ✓ **Built-in sliding masses**

With a two-pan design based on the classic Roberval balance principle, OHAUS Harvard Trip balances feature the additional advantages of magnetic damping, beams with sliding weights and a variety of weighing platforms. Commonly used for comparative weighing to determine the difference in mass between two objects, rather than their absolute value, these balances come equipped with built-in sliding masses. Harvard Trip balances are known for their accuracy and durability—constructed and precision-engineered for years of maintenance-free laboratory use.



| Item #                        | 1450-SD           | 1550-SD  | 1560-SD |
|-------------------------------|-------------------|----------|---------|
| Capacity (g)                  | 2000              |          |         |
| Readability (g)               | 0.1               |          |         |
| Calibrations: (g)             |                   |          |         |
| Top Beam                      | 10 × 0.1          | 10 × 0.1 |         |
| Bottom Beam                   |                   | 200 × 10 |         |
| Stainless Steel Plate (in/cm) | 6 / 15.2 Diameter |          |         |
| Tare Range                    | —                 | —        | 225g    |

### Harvard Trip Accessories

| OHAUS# | Description   |
|--------|---|
| 107-00 | Polypropylene Maxi-Scoop, 10 in Diameter × 2.5 in. Deep / 25.4 Diameter × 6.4cm Deep (with pouring spout) and counterweight |
| 106-00 | Vinyl Dust Cover  |
| 183-00 | Rod and Clamp Assembly  |

## CONTACT OHAUS FOR OUR COMPLETE LINE OF INDUSTRIAL PRODUCTS!



## INDUSTRIAL SCALES

Built for production and quality control applications

- ✓ **Many products carry approvals/certifications: NSF, NTEP, OIML, Measurement Canada**
- ✓ **ISO 9001:2000 registered quality management system**
- ✓ **Legal-for-trade versions available**

OHAUS offers a range of industrial products to fit your company's industrial weighing needs. From floor scales to handheld scales, high capacity to high resolution, in portable or stationary configurations, OHAUS scales and balances provide the solution to your measurement requirements.

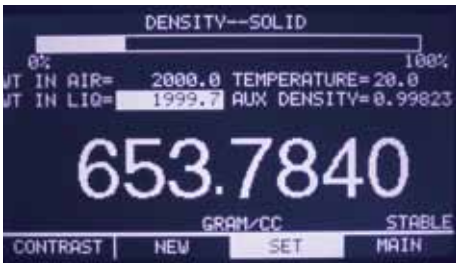


## EXPLORER® PRO

Logical, intuitive and easy to use

- ✓ Feature-rich software for a wide variety of applications
- ✓ Large, brilliant graphic display for easy reading under all lighting conditions
- ✓ SmartText™ Software guides users through application use and balance setup
- ✓ g, kg, ozt, lb, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, custom unit
- ✓ Optional AutoCal™ internal calibration

Explorer Pro features an ultra-simple and innovative user interface with on screen text prompts and scroll down menus. One-step operation guides you through Explorer Pro's application modes with a single button press. The high-resolution display is easy to view and displays only the information you want to see.



|                |                         |                 |                  |                       |                                 |                          |            |
|----------------|-------------------------|-----------------|------------------|-----------------------|---------------------------------|--------------------------|------------|
|                |                         |                 |                  |                       |                                 |                          |            |
| Parts Counting | Dynamic/Animal weighing | Check-weighing  | Percent Weighing | Differential Weighing | Filling                         | OIML Approved (Optional) | Statistics |
|                |                         |                 |                  |                       |                                 |                          |            |
| Gross/Net/Tare | Time/Date               | GLP Data Output | Backlight        | Weigh Below Hook      | Internal Calibration (Optional) | RS232 Interface          |            |



| Item # w/ AutoCal          | EP12001C                             | EP22001C | EP32001C |
|----------------------------|--------------------------------------|----------|----------|
| Item # w/o AutoCal         | EP12001                              | EP22001  | EP32001  |
| Capacity (g)               | 12,000                               | 22,000   | 32,000   |
| Readability (g)            | 0.1                                  |          |          |
| Linearity (g)              | ±0.4                                 |          |          |
| Platform Size (in/cm)      | 11 × 14 / 28 × 35.6                  |          |          |
| Dimensions (W×H×D) (in/cm) | 14 × 5.3 × 16.4 / 35.5 × 13.3 × 40.6 |          |          |
| Span Mass (g)              | 10,000                               | 20,000   | 30,000   |
| Mass Item # (opt.)         | 80781003                             | 80781005 | 80781007 |

| Explorer® Pro Accessories |  |
|---------------------------|--|
| OHAUS #                   | Description  |
| 80252042                  | Dot Matrix Printer   |
| 80500570                  | Cable kit to connect Dot Matrix Printer to Explorer Pro                |
| 80251932                  | Paper for Dot Matrix Printer   |
| 80251933                  | Ink Ribbon for Dot Matrix Printer                                      |
| 80251992                  | Thermal Printer  |
| 80251931                  | Paper for Thermal Printer  |
| 80252580                  | Cable kit to connect Thermal Printer to Explorer Pro                   |
| 80500746                  | Ohaus Collect Software   |
| SW12W                     | TAL Software WinWedge  |
| AS017-09                  | RS232 Cable, PC 9 Pin to Explorer Pro                                  |
| AS017-02                  | RS232 Cable, PC 25 Pin to Explorer Pro                                 |
| 80253384                  | Density Determination Kit for Explorer Pro analytical balances (0.1mg) |
| 470004-010                | Security Device for Explorer Pro up to 8kg                             |
| 80850042                  | In-Use Cover for Explorer Pro  |



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