

Full featured precision weighing scale with a range of features. 7 Built-in application modes plus below balance weighing: animal weighing, parts counting, percent weighing, check weighing, filling and gross/net/tare



Manufacture: Ohaus  
SKU: EP4102C  
Weight: 30.00 lb  
Free Ground Shipping within the  
48 continental US States

**Please Call**  
**(800)832-0055**

## Features

Ohaus Explorer lab scales have multiple weighing modes, auto zero tracking, RS232, GLP, auto tare. Custom LCD with 7 characters, four user-friendly applications and more. Capacity x precision: 610 g x 0.01 g

The Explorer Pro Series of standard level balances was designed for simplicity and includes the industry's easiest user interface for easy setup and operation; no training is required. The Explorer Pro offers all the features and durability found in high-end laboratory balances plus the traditional Ohaus quality and support for years of trouble free use!

- Simple 2 key menu operation and navigation
  - Ready to weigh without complicated setup
  - Innovative man-machine interface and user prompts make Explorer Pros advanced applications easy to follow and easy to use
  - Three soft keys are application specific allowing direct access to items such as calibration, units, new sample, sample size, new reference weight, reference weight, new target and/or target
  - Flexibility to display either simple weighing results or more advanced results including piece count, average piece weight, sample size, tare weight, weight, under and over indicators
  - Selectable operating languages including English, Spanish, Italian, French and German
- 7 Built-in application modes plus below balance weighing: animal weighing, parts counting, percent weighing, check weighing, filling and gross/net/tare
  - Only Explorer Pros applications and dot matrix display allow for simultaneous viewing of reference information including piece count, percent, under/over/accept and actual weight
    - Perform animal weighing procedures in either manual, semi-auto or automatic modes
    - Parts counting also includes parts counting check and parts counting fill functions
    - Percent weighing with targets defined either as a percent or weight
    - Check weighing with primary results displayed either as a weight or a message (under, accept, over)
    - Filling application with fill guide displaying the relationship between the total load on the platform and a target
    - Gross/net/tare applications displays G/N/T values simultaneously
- Brilliant backlit high resolution dot matrix display
  - Enhances viewing in any environment
  - Simplifies menu navigation and balance set up
  - Display additional results and reference information in each application screen view
  - Capacity guide provides a visual aid by displaying the relationship between the total platform load and the full balance capacity
  - Fill guide provides a visual aid by displaying the relationship between the total platform load and a user defined target
- Standard RS232 port for easy communication with computer or printer
- GLP compliant with user selectable outputs - complete GLP/GMP capabilities including date, time, balance ID, user name, project name and reference information
- Protective in-use cover and security bracket included
- Standard auxiliary port - flexibility for use in legal applications requiring secondary display
- Standard in-use cover - spill protection at no additional cost
- Below balance weighing with integral weigh-below hook
- Integral security bracket permits locking balance with cable
- Industry leading warranty and support
- NTEP Legal For Trade approved models available

|                                   |  |        |                 |        |        |         |         |            |              |         |         |         |   |          |          |
|-----------------------------------|--|--------|-----------------|--------|--------|---------|---------|------------|--------------|---------|---------|---------|---|----------|----------|
| Models without AutoCal™:          | EP213  | EP413  | EP413D          | EP613  | EP612  | EP2102  | EP4102  | EP4102D    | EP6102       | EP4101  | EP6101  | EP8101  | EP12001   | EP22001  | EP32001  |
| Models with AutoCal™:             | EP213C   | EP413C | EP413DC         | EP613C | EP612C | EP2102C | EP4102C | EP4102DC   | EP6102C      | EP4101C | EP6101C | EP8101C | EP12001C  | EP22001C | EP32001C |
| Capacity (*draft shield included) | *210 g   | *410 g | *100/410 g      | *610   | 610 g  | 2100 g  | 4100 g  | 1000/4100g | 6100         | 4100 g  | 6100 g  | 8100 g  | 12000   | 22000    | 32000    |
| Readability (g)                   | 0.001  |        | 0.001/0.01      |        | 0.001  | 0.01    | 0.01    | 0.01       | 0.01/0.1     | 0.01 g  | 0.1     |         |   |          |          |
| Repeatability (std dev) (g)       | 0.0005   |        | 0.0005 / 0.005  |        | 0.0005 |         |         | 0.01/0.05  | 0.005        | 0.05    |         |         | 0.1   |          |          |
| Linearity (g)                     | ± 0.002 g  |        | ± 0.002 / 0.005 |        | ±0.002 | ±0.02   |         |            | ±0.02 / 0.05 | ±0.04   | ±0.1    |         |   | ±0.4     |          |
| Weighing Modes                    | gram, kilogram, pound, ounce, troy ounce, carat, pennyweight, Hong Kong Tael, Singapore Tael, Taiwan Tael, mommes, grain, tical, Newton, custom  |        |                 |        |        |         |         |            |              |         |         |         |   |          |          |
| Application Modes                 | weighing, parts counting, animal/dynamic weighing, checkweighing, percent weighing, filling, gross/net/tare weighing   |        |                 |        |        |         |         |            |              |         |         |         | weighing, parts counting, filling, animal weighing, checkweighing, differential weighing, formulation quick check, statistics   |          |          |
| Features                          | RS232 port, auxiliary display port, GLP protocol, selectable language display text, selectable displayed information settings, selectable environmental filters, selectable auto-print settings, integral weigh below hook, contrast & brightness control, protective in-use cover |        |                 |        |        |         |         |            |              |         |         |         | RS232 port, auxiliary display port, GLP protocol, selectable environmental settings, selectable auto-print settings, weigh below hook, contrast & brightness control, protective in-use cover |          |          |

|                        |   |  |                          |  |
|------------------------|---|--|--------------------------|--|
| Tare Range             | full capacity by subtraction  |  |                          |  |
| Stabilization Time     | 3 seconds   |  |                          | 4 seconds                                  |
| Operating Temperature  | 50° to 86°F / 10° to 30° C without internal calibration / 50° to 104°F / 10° to 40° C with internal calibration |  |                          |  |
| Calibration            | External / Internal   |  |                          |  |
| Display                | High Resolution LCD Dot Matrix with back light  |  |                          |  |
| Power Requirements     | 100-120 V ac, 220-240 V ac, 50/60 Hz  |  |                          |  |
| Pan Size (in/cm)       | 4.7" (12 cm) diameter   | 6.8" x 6.8" (17.2 x 17.2 cm) with windshield | 8" x 8" (20.3 x 20.3 cm) | 11" x 14" (28 x 35.6 cm) av                |
| Dimensions (W x H x D) | 8.3" x 13.8" x 13.8"<br>(21 x 35 x 35 cm)   | 8.5" x 4" x 13.8"<br>(21.5 x 10.3 x 35 cm)   |                          | 14" x 5.5 " x 17.5"<br>(36 x 14 x 44.5 cm) |
| Net Weight             | 13.2 lb (6 kg)  | 11 lb (5 kg)                                 |                          | 27 lb (12.3 kg)                            |
| Type                   | Explorer Pro Precision  |  |                          | Explorer Pro High Capacity                 |

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