



# Explorer<sup>®</sup> Pro

Precision Balances



## ***The OHAUS Explorer<sup>®</sup> Pro Series, the new standard for performance and value in laboratory balances!***

The OHAUS Explorer<sup>®</sup> Pro Series of standard level balances was designed for simplicity and includes the industry's easiest user interface for effortless 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!

### ***Standard Features Include:***

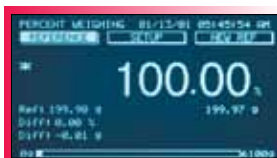
- Simple 2-key menu navigation
- Text prompts for fast setup
- Seven Application modes plus below balance weighing
- Brilliant backlit high resolution dot matrix display
- RS232 port for easy communication with computer or printer
- GLP compliant with user selectable outputs
- Five Language operational display text
- Protective in-use cover and security bracket
- Industry leading warranty and support

***With the Explorer Pro Series, you get a better balance, a better warranty and better support!***

## Application Modes

### Percent Weighing

Percent weighing allows you to place a reference load on the pan, and check other samples as a percent of the reference load. Each new sample will be a “percentage” of the original reference, the display shows the variance in – or + percent of the reference.



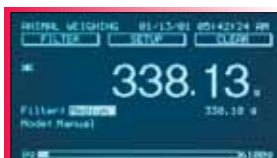
### Filling

Filling permits the user to preset a target reference weight, then add material to the balance to meet the target weight. The display shows the preset target weight and the percentage of the target by monitoring the differential data, the fill bar is split in two sections for fast filling up to 90%, then slower accurate fill to reach target (100%) weight.



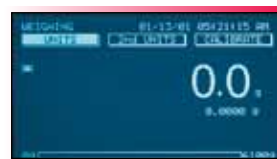
### Dynamic / Animal Weighing

Dynamic weighing allows the user to weigh unstable matter that may be moving. This mode can be set to manual, semi-automatic, or automatic; the displayed data includes filtered weight and unfiltered weight. Displayed data also includes filter level, capacity bar graph and operation mode (manual, semi or auto).



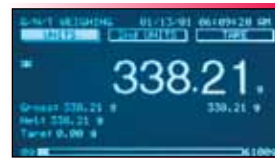
### Weighing

Basic weighing with primary and secondary weighing units, time, date and capacity bar.



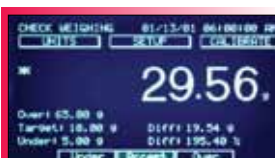
### Gross/Net/Tare

G/N/T is an application mode commonly used when you need to identify the individual weights of the container, the material and both together. The container weight is the Tare weight, the material is called the Net weight and the container and material together are called the Gross weight. The Net weight is displayed on the readout.



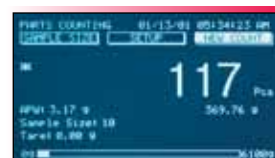
### Checkweighing

Checkweighing is used when items need to be checked against a preset target, after the target weight is set, and over/under parameters are established. Checkweighing is measured as a factor of over the target, under the target, or accept. The display automatically shows the difference in percent and weight.



### Parts Counting

Enhanced parts counting features include auto sample optimization, user definable sample size and manual entry using scroll keys. The “Parts Counting Check” feature allows for quickly checking a sample of pieces against a preset criteria, with results displayed as the number of pieces. The “Parts Counting Fill” feature allows for quickly checking a sample of pieces against an established criteria, with results displayed as a percentage of the preset target.



## Weighing Units for Every Application

*For total versatility, Explorer Pro offers 7 application modes and 16 standard weighing units for almost any type of mass measurement application*

- Milligrams
- Grams
- Kilograms
- Pounds
- Ounces
- Carats
- Troy Ounces
- Newtons
- Grains
- User Programmable Custom Unit
- Mommies
- Taels (3)
- Ticals
- Pennyweights

## Explorer® Pro High Capacity Models

The Explorer Pro Series features 3 high capacity precision toploader models with capacities up to 32,000g and readabilities to 0.1g. The extra large 11" x 14" platform is ideal for laboratory and industrial applications in concrete/asphalt production, agriculture and quality control. Explorer High Capacity has been upgraded with Check and Differential Weighing, Statistical Functions, Formulation, and Filling.

## High Capacity Precision Balances

The Explorer Pro Series was designed with the user in mind. 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. Explorer Pro's state of the art high-resolution display is easy to view and displays only the information you want to see. Plus, your investment is protected! Explorer Pro is designed with a spill channel and includes an in-use cover. The Explorer Pro is manufactured to ISO 9001 quality assurance specifications, for traditional OHAUS quality you've come to expect.

## Key Features

### **Automatic Calibration**

Explorer Pro's optional AutoCal™ calibration feature automatically calibrates the balance when it senses a temperature change sufficient enough to affect weighing accuracy. This feature assures accuracy while saving operational time.

### **Communication**

The standard RS232 communication port offers connectivity to peripherals such as printers and computers.

### **GLP**

Explorer Pro's connectivity capability allows for Good Laboratory Practice compliance. GLP protocol data such as time/date, balance/project, user ID, calibration information and weighing information can be printed or saved to a computer.

### **Leveling Feet for Quick Set-Up**

Standard on all Explorer Pro models, the up-front level assures accurate operation.

### **Multi-Language Text**

Explorer Pro offers 5 language operational display text. Standard language text includes: English, Spanish, French, Italian and German.

### **Innovative Software**

Simple to use and easy to follow, with no training or manual required! The 3 application-specific soft-keys allow direct access to features such as calibration, units, sample size and reference information at a touch of a button.

### **Large Brilliant Display**

High-resolution dot matrix display with backlight for enhanced viewing in any environment. The large display screen features user definable text fields to illustrate only the information you want! The display also shows secondary units, time and date. Text prompts simplify menu navigation and balance setup. Display features adjustable contrast and brightness controls.

### **Protective Cover**

Explorer Pro features a durable in-use cover as standard equipment. The replaceable cover protects the display from harsh environments or spills that can ruin the balance.

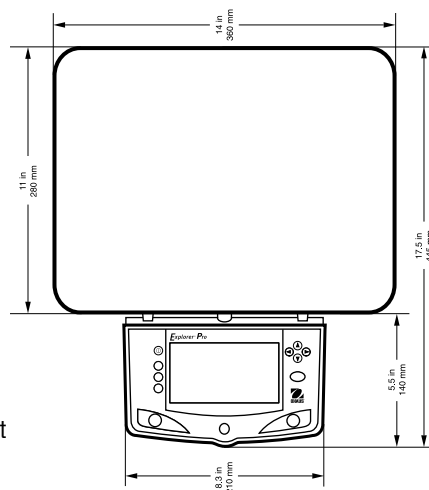
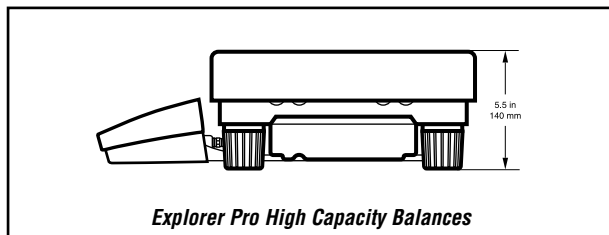


# Explorer<sup>®</sup> Pro Electronic Balances

## High Capacity Balances

Models without AutoCal™	EP12001 <sup>†</sup>	EP22001 <sup>†</sup>	EP32001 <sup>†</sup>
Models with AutoCal™	EP12001C <sup>†</sup>	EP22001C <sup>†</sup>	EP32001C <sup>†</sup>
Capacity (g)	12000	22000	32000
Readability (g)	0.1		
Repeatability (Std. dev.) (g)	0.1		
Linearity (g)	± 0.4		
Weighing Units	gram, kilogram, pound, ounce, ounce troy, carat, pennyweight, Hong Kong Tael, Singapore Tael, Taiwan Tael, mommes, grain, tical, Newton, custom		
Application Modes	Weighing, Parts Counting, Filling, Animal Weighing, Checkweighing, Differential Weighing, Formulation, Quick Check, Statistics		
Features	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 (seconds)	4		
Operating Temperature Range	50° to 86° F / 10° to 30° C w/o AutoCal 50° to 104°F / 10° to 40°C w/ AutoCal		
Power Requirements	100-120 V AC, 220-240 V AC, 50/60 Hz		
Calibration	External/Internal		
Display Type	High Resolution LCD Dot Matrix w/Backlight		
Pan size (in/cm)	11 x 14 / 28 x 35.6		
Dimensions WxHxD (in/cm)	14 x 5.5 x 17.5 / 36 x 14 x 44.5		
Net Weight (lb/kg)	27 / 12.3		

<sup>†</sup> Not available in LFT (U.S.) / Type Approved versions



## Additional Features

RS232 port for easy communication with computer or printer, GLP compliant protective in-use cover, security bracket

## Accessories

	Ohaus Number
Dot Matrix Printer - EU .....	80252043
Cable kit to connect Dot Matrix Printer to Explorer Pro.....	80500570
Paper for Dot Matrix Printer .....	80251932
Ink Ribbon for Dot Matrix Printer .....	80251933
Thermal Printer - EU.....	80251993
Thermal Printer - UK.....	80251994
Paper for Thermal Printer .....	80251931
Cable kit to connect Thermal Printer to Explorer Pro .....	80252580
RS232 Cable, PC 9 Pin to Explorer Pro.....	12106964
RS232 Cable, PC 25 Pin to Explorer Pro .....	80850014
Security Device for Explorer Pro High Capacity.....	80850000
In-Use Cover for Explorer Pro .....	80850042
OHAUS DAS Software.....	80253300

## Industry Leading Quality and Support

All OHAUS Explorer<sup>®</sup> Pro balances are manufactured under an ISO 9001:2008 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all OHAUS products for over a century.

[www.ohaus.com](http://www.ohaus.com)

\* ISO 9001:2008  
Registered Quality Management System

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