






# Semi Micro Balances



*Ingeniously Practical*

# Semi Micro Balance Selector Guide

	Explorer Semi-Micro	Adventurer Semi-Micro	Pioneer Semi-Micro
			
	up to 220 g x 0.01 mg	up to 102 g x 0.01 mg	up to 82 g x 0.01 mg
Weighing Functions	16	10	7
Custom Units	3	1	1
Batch Printing	•	•	
Label Printing	•	•	
Multi-Language	•	•	•
Interface	145 mm (5.7") Touchscreen	109 mm (4.3") Touchscreen	Backlit LCD
External Calibration	•	•	•
Internal Calibration	•	•	•
AutoCal	•	•	•
Automatic Doors	•		
Built-In Ionizer	•		
Touchless Sensors	•		
GLP/GMP	•	•	•
Password Protection	•	•	•
User Management	4 - Level	3- Level	
User Management Accounts	113	13	
Internal Log Files	5000		
Real Time Clock	•	•	•
RS-232	•	•	•
USB Device	•	•	•
USB Host	•	•	
Ethernet	•		
Page	3	5	7

# Semi Micro Balances

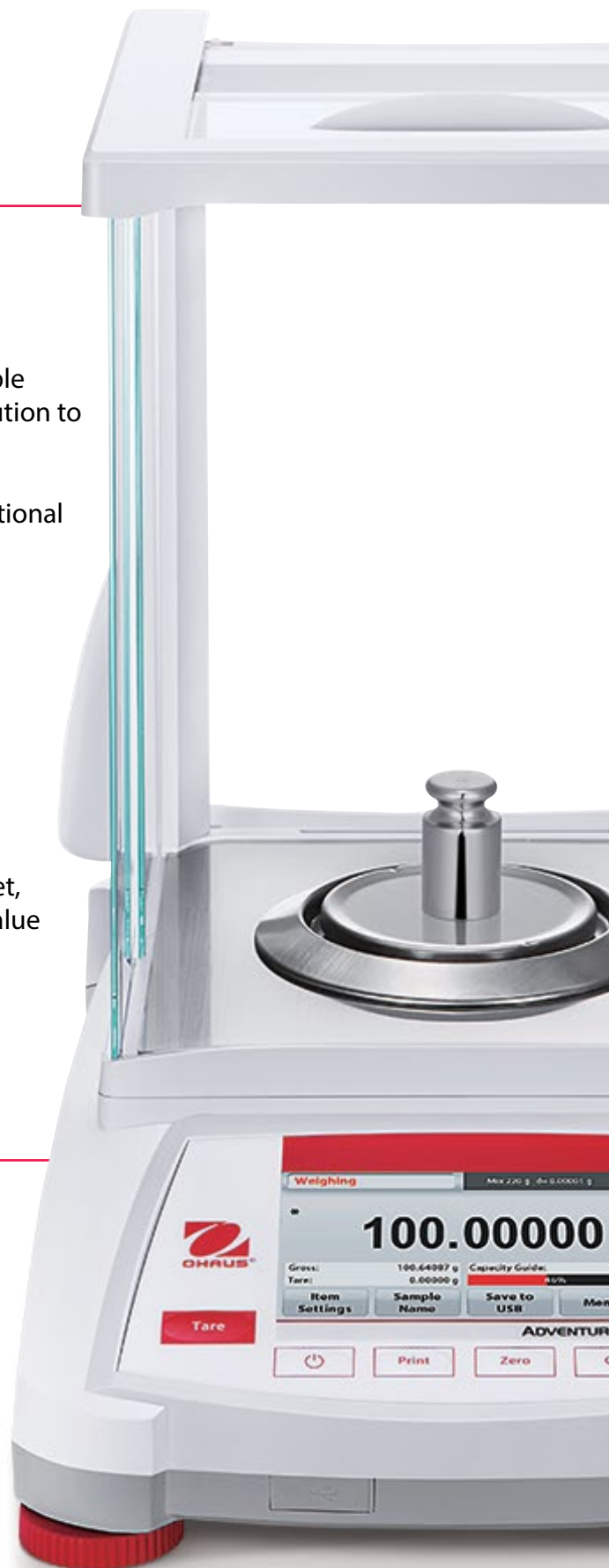
Whether you work in the pharmaceutical industry, a versatile laboratory environment, regulated industries or seek dependable simplicity at an affordable price point, OHAUS has the ideal solution to meet the diverse needs.

Our flagship balance **Explorer Semi-Micro** – a pinnacle of exceptional performance and advanced capabilities, purpose-built for the regulated industries. Its features ensure precise and consistent measurements, enhanced traceability, and extensive logging capabilities.

Introducing the **Adventurer Semi-Micro** – a balance renowned for its versatility, seamlessly adapting to various laboratory and industrial settings. Its flexibility makes it an invaluable asset for researchers and scientists across different disciplines.

For those who prioritize reliability without straining their budget, meet the **Pioneer Semi-Micro**. This balance delivers excellent value and performance at a cost-effective price.

In our OHAUS semi-micro brochure, we provide you with all the details you need to make an informed decision about the ideal balance for your specific weighing needs.



# EXPLORER Semi-Micro

## Flagship Balance Ideal for Regulated Industries

- Explorer's weighing cells precision-machined from a solid metal block, together with AutoCal™ provides exceptional accuracy and durability suitable for laboratory and industrial environments.
- Features such as four-level user management with password protection, and un-editable system log plus a high level of configurability make Explorer balances well suited for regulated applications.
- A detachable terminal with a large color touchscreen, programmable IR sensors, optional built-in Ionizer & automatic doors, and a frameless draftshield make Explorer balances easy & convenient to use.



**Standard Features** 3 Custom Units, Batch Printing, Label Printing with 2 custom templates, Multi-Language, 145 mm (5.7") Touchscreen Interface, External Calibration, Internal Calibration, AutoCal, Automatic Doors, Built-In Ionizer, Touchless Sensors, GLP/GMP, Password Protection, 4-Level User Management with 113 account options, 5000 Internal Log Files, Real Time Clock

**Connectivity** RS-232, USB Device, USB Host, Ethernet

### Construction and Display



Automatic Doors



Ionizer



USB Connection



Detachable Display

### Models

Model	Auto Door	Ionizer	Calibration	Capacity	Readability
EX125	-	-	AutoCal	120 g	0.01 mg
EX125D	-	-	AutoCal	52 g / 120 g	0.01 mg, 0.1 mg
EX225D	-	-	AutoCal	120 g / 220 g	0.01 mg, 0.1 mg
EX225D/AD	●	●	AutoCal	120 g / 220 g	0.01 mg, 0.1 mg
EX225/AD	●	●	AutoCal	220 g	0.01 mg



# EXPLORER Semi-Micro

## Weighing Functions



Weighing



Percent Weighing



Density Determination



Filing



Formulation



Statistical Quality Control



Parts Counting



Check Weighing



Dynamic Weighing



Totalization



Differential Weighing



Fill Weight Variation



Library



Pipette Calibration



Peak Hold



Batch Printing

## Applications and Industries



Highly Regulated Environments

Markets requiring GLP/ GMP functionality, data traceability, and extensive user management control.



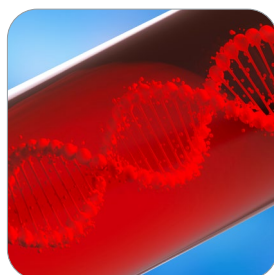
Pharmaceutical R&amp;D / Manufacturing

A high-performance, high speed load cell along with 15 weighing applications allows extreme precision, accuracy, and flexibility.



Compounding Pharmacies

Built-in repeatability test for setting a minimum weight as well as standard applications for formulation and recipe making.



Bio-Pharma Research

Applications for dynamic/ animal weighing, pipette calibration, and statistics collection.



Integration with LIMS and MES

Easy integration to LIMS by offering multiple communications protocols (Incl. OH/MT/ST commands) and optional ethernet port

# ADVENTURER Semi-Micro

## Suited for Various Lab Environments

- Adventurer balances feature a color touchscreen, icon-based user interface, and an ergonomic design, making them easy to configure and use.
- Features such as specialized weighing modes, multiple connectivity options, and AutoCal™ provide versatility and flexibility for a variety of applications.
- Durable construction, large weighing surfaces, a space-saving draftshield design, and full housing in-use cover allow for use in lab, education and industrial environments.



**Standard Features** 1 Custom Units, Batch Printing, Label Printing, Multi-Language, 109 mm (4.3") Touchscreen Interface, External Calibration, Internal Calibration, AutoCal, GLP/GMP, 3-Level User Management with 13 account options, Real Time Clock

**Connectivity** RS-232, USB Device, USB Host

## Construction and Display



User Management



Label Printing Function



Batch Printing



Density Determination

## Models

Model	Auto Door	Ionizer	Calibration	Capacity	Readability
AX85	-	-	AutoCal	82 g	0.01 mg
AX125D	-	-	AutoCal	82 g / 120 g	0.01 mg, 0.1 mg
AX225D	-	-	AutoCal	102 g / 220 g	0.01 mg, 0.1 mg

# ADVENTURER Semi-Micro

## Weighing Functions



Weighing



Percent Weighing



Density Determination



Formulation



Display Hold



Parts Counting



Check Weighing



Dynamic Weighing



Totalization



Batch Printing

## Applications and Industries



QA/QC Laboratories

Basic user management makes it easy to ensure data security and traceability to help meet ISO requirements.



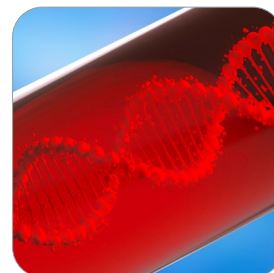
Food and Beverage Laboratories

High precision check weighing and percent weighing along with batch printing makes the perfect balance for food laboratories.



Compounding Pharmacies

Below minimum weight warning ensures the sample meets the established minimum weight requirements, and the built-in formulation app allows up to 50 ingredients.



Bio-Pharma Research

High accuracy and high resolution for measuring very small samples. Perfect for biological sample prep and small animal weighing

# PIONEER Semi-Micro

## Simple Weighing that Combines Economy and High Performance

- The PX5 offers high accuracy and repeatability for essential weighing applications in laboratory, industrial and education settings at an economical price point.
- Featuring a cast metal lower housing, sub-pan and stainless steel weighing pan, the PX5 is durably constructed for versatile, long-term use.
- Pioneer features a second line display for additional information or guidance, a static removal bar for convenient grounding, and USB connectivity.



**Standard Features** 1 Custom Unit, Multi-Language, Backlit LCD Interface, External Calibration, Internal Calibration, GLP/GMP, Password Protection, Real Time Clock, Batch Printing and Label Printing

**Connectivity** RS-232, USB Device

### Construction and Display



Available for ExCal and InCal



Basic Weighing Application



Label Printing Function



Power Saving Functions

### Models

Model	Auto Door	Ionizer	Calibration	Capacity	Readability
PX85	-	-	InCal	82 g	0.01 mg
PX225D	-	-	InCal	82 g / 220 g	0.01 mg, 0.1 mg



# PIONEER *Semi-Micro*

## Weighing Functions



Weighing



Parts Counting



Percent Weighing



Density Determination



Dynamic Weighing



Formulation



Check Weighing

## Applications and Industries



Industrial QA/QC

Maximize quality and minimize loss in small, expensive part manufacturing such as medical micro components.



Academic Research Laboratories

Used in academic research labs all over the world, Pioneer semi-micro balances offer exceptional weighing at an economical price.



Education Environments

An intuitive, easy to use balance perfect for science education environments to help teach concepts of mass, density, and specific gravity.



## OHAUS Corporation

Headquartered in Parsippany, NJ, OHAUS Corporation manufactures an extensive line of balances and scales, lab equipment and lab instruments that meet the weighing, sample processing and measurement needs of multiple industries. We are a global leader in the laboratory, industrial and education markets, as well as a host of specialty markets, including the food preparation, pharmacy and jewelry industries. An ISO 9001:2008 manufacturer, OHAUS produces lab balances, industrial scales, lab equipment and lab instruments that are precise, reliable and affordable, and backed by industry-leading customer support.

### OHAUS CORPORATION

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Europe, Asia, and  
Latin America*

**\*ISO 9001:2015**

Registered Quality  
Management System

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