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 Interal 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

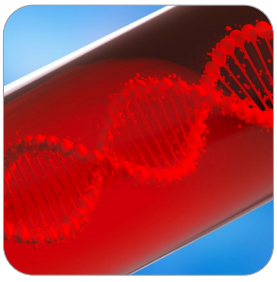
Markets requiring GLP/ GMP functionality, data traceability, and extensive user management control.


Pharmaceutical R&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

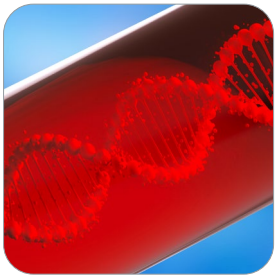
Basic user management makes it easy to ensure data security and traceability to help meet ISO requirements.


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.