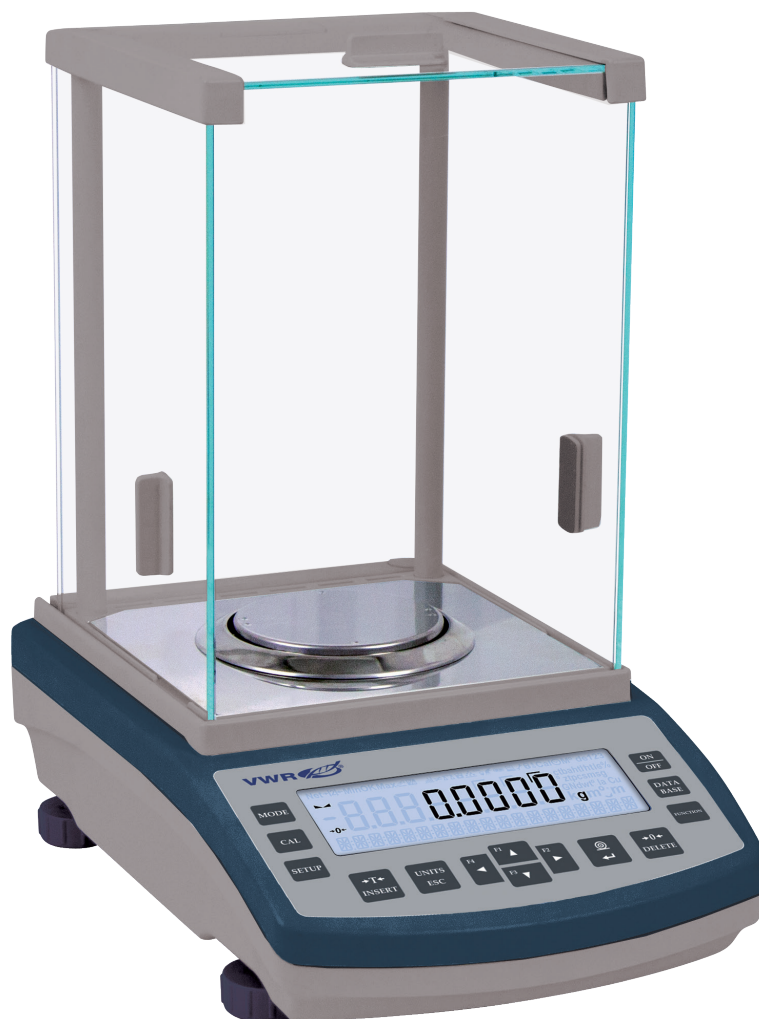


VWR® A-Series

Semi-Micro, Analytic and
Precision Balances

High Precision Weighing
with Advanced Features



Semi-Micro, Analytical & Precision Balances

Advanced Technology. In addition to forced-compensation weighing technology, VWR® A-Series balances incorporate state-of-the-art features for advanced weighing applications and documentation.

Internal Automatic Calibration and Adjustment. VWR® A-Series offer three internal calibration options. Temperature-activated calibrations initiate with a 3° C change in ambient temperature. Time-activated calibrations may be programmed from one-hour to twelve-hour intervals or simply press the Cal Key to activate the Calibration function.

External Calibrations with the ability to program (and store) the known value of a mass standard may also be utilized.

Menu-driven Operation. Dedicated Setup, Mode, Function and Database Keys along with navigational arrows provide easy access to weighing features, applications and stored data.

Multiple Weigh Modes. Seventeen weigh modes including gram & mg.

Advanced Communication Features. Connect VWR® A-Series balances to a computer, printer or network via the RS232 (2) or USB (2, Type A & B) ports. Data may be transferred manually by pressing the Print/Enter Key or program the balance to send information automatically at designated time intervals and stability settings.

Application Modes. Optimize the performance of your balance with one of eleven application modes: Basic Weighing, Piece Counting, Check Weighing, Dosing, Deviations, Density Determination (Solids & Liquids) Animal Weigh, Statistics, Totalizing (Formulation) and Peak Hold.

Rugged, Built to Last. Constructed with a housing that is designed endure the most challenging environments from teaching labs to industrial use.

Balance Parameter Settings include Access Levels, User Functions, Backlight Settings, Language, Keyboard Sounds along with GLP Protocols.

User-friendly Draft Shield is standard on Semi-Micro and Analytical models. The internal dimensions (160 x 168 x 230mm) and three sliding doors make access to the chamber a breeze. All Draft Shield Doors, Stainless Steel Weigh Pan, Draft Chamber Floor are easy to remove for cleaning.

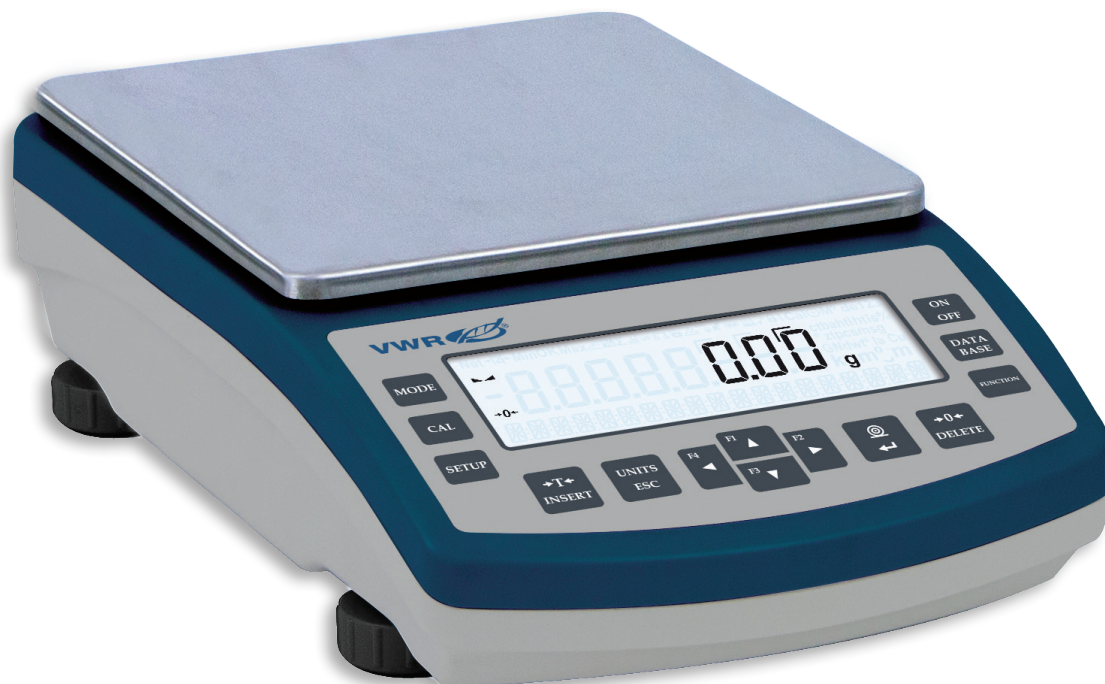
GLP Documentation is standard on the VWR® A-Series. Store up to 10 Users, 1000 Products and 100 Tare Weight Values in memory (alpha-numeric). Detailed reporting including Balance ID, User, Date, Time, Software Version, Measurement Mode, Results along with a Signature Line provides for complete GLP documentation

Economical. Priced right, the VWR® A-Series is the answer for organizations demanding precision and performance on a limited budget.



Features:

- Internal Automatic Calibration – Time or Temperature Activated
- Easy-to-read, Adjustable, Backlit Display
- Simple Menu-driven Navigation
- 17 Weigh Units
- 11 Application Modes
- Multi-language
- Overload Protection Reduces the Risk of Damage from Misuse
- Adjustable Ambient Conditions Settings for Difficult Environments
- Full GLP Documentation
- 10 Users (with Administrator Control)
- 1000 Product Data Storage
- Tare Weight Storage, 100 Containers
- ALIBI Memory Secures up to 100,000 Weighing Records
- Two RS232 and Two USB (Type A & B) Communication Options
- Stainless Steel Pans, Spill Ring & Draft Chamber Floor for Easy Cleaning
- Five-Year Warranty





Model Specifications

Semi-Micro & Analytical Models

	VWR-225AC	VWR-164AC	VWR-224AC	VWR-314AC
Capacity	60g / 220g	160g	220g	310g
Readability	0.01mg / 0.1mg	0.1mg	0.1mg	0.1mg
Taring Range	0 to 220g	0 to 160g	0 to 220g	0 to 310g
Repeatability (s)	0.03mg / 0.1mg	0.1mg	0.1mg	0.1mg
Linearity	0.07mg / 0.2mg	0.2mg	0.2mg	0.2mg
Stabilization Time	6 / 3.5 sec.	3.5 sec.	3.5 sec.	3.5 sec.
Pan Size	70mm (2.76in)	85mm (3.35in)	85mm (3.35in)	85mm (3.35in)
Cat. No.	10205-026	10204-960	10204-962	10204-964

Precision Models

	VWR-363AC	VWR-4502AC	VWR-6002AC
Capacity	360g	4500g	6000g
Readability	0.001	0.01g	0.01g
Taring Range	0 to 360g	0 to 4500g	0 to 6000g
Repeatability (s)	0.001g	0.01g	0.01g
Linearity	0.003g	0.02g	0.02g
Stabilization Time	2 sec.	1.5 sec.	1.5 sec.
Pan Size	128 x 128mm (5.04 x 5.04in)	195 x 195mm (7.68 x 7.68in)	195 x 195mm (7.68 x 7.68in)
Cat. No.	10204-966	10204-968	10204-970

Common Specifications:

Calibration Adjustment:	Internal, Automatic Temperature (1.5°C) or Time (1 Hour Interval) Activated
Operating Temperature:	10°C - 40°C (50°F - 104°F)
Relative Humidity:	40% - 80% (Non-condensing)
Sensitivity Drift:	1ppm°C, 10°C - 40°C
Interface:	RS232 (2), USB-A & USB-B
Display:	White Backlit LCD
Power Requirements:	Input: 100-240VAC, 50-60Hz, 0.6A Output: 12 - 16VD, 2.1A Polarity: Outside = + Inside = -
Unit Dimensions (L x W x H):	333 x 206 x 355mm (13.11 x 8.11 x 13.98in)
Net Weight:	5.6kg (12.35lb)
Internal Chamber Dimensions	
0.01mg & 0.1mg Models	160 x 168 x 230mm (6.3 x 6.61 x 9.05in) L x W x H
Height Above Pan	
0.01mg & 0.1mg Models	227mm (8.94in)