



## *The Professional's Choice For Analytical Applications!*

The OHAUS Discovery series of semi-micro and analytical balances combine unmatched weighing performance with OHAUS' innovative SmarText™ software, making it extremely reliable and easy-to-use. The Discovery features durable glass and steel construction and together with advanced AutoCal™ internal calibration make it the best performing balance in its class:

- **Highest Performance** with repeatability and linearity performance that's 2x better than most balances in its class
- **SmarText™ Software** utilizes text prompts to guide users through application use and balance setup
- **Advanced AutoCal™** automatic internal calibration ensures accurate weighing

The OHAUS Discovery series features four analytical models with capacities up to 310g by 0.1mg with a FineRange™ model that offers 10 microgram readability. Discovery is perfect for university research, pharmaceutical research and drug discovery, and general lab applications.

# Discovery Semi-Micro and Analytical Balances

## Specifications

Model	DV114C	DV214C	DV314C	DV215CD
Capacity (g)	110	210	310	81*/210
Readability (mg)	0.1	0.1	0.1	0.01*/0.1
Repeatability (Std.dev.) (mg)	0.1	0.1	0.2	0.02*/0.1
Linearity (mg)	±0.2		±0.5	±0.03*/0.2
Weighing Units	Milligram, Gram, Carat, Ounce, Ounce Troy, Grain, Pennyweight, Momme, Hong Kong Tael, Singapore Tael, Taiwan Tael, Custom			
Application Modes	Weighing, Parts Counting with Automatic Sample Recalibration, Percent Weighing, Checkweighing, Animal/Dynamic Weighing, Gross/Net/Tare Weighing, Totalization, High Point, Density, Statistics, Pipette Calibration			
Features	Selectable Environmental Filters, RS232 Interface with full GLP/GMP Protocol, Easy to Clean Stainless Steel Platform, Windring and Glass & Steel Construction, Protective In-Use Cover, Integral Weigh Below Hook, Easy to Use Keypad, Up-Front Level Indicator			
Tare Range	To Capacity by Subtraction			
Stabilization Time (s)	4		8	12/5
Sensitivity Drift (10-30°C)	±2ppm/°C			
Operating Temp Range	10° to 40°C			
Calibration	Automatic internal, Pushbutton internal, Manual external			
Power Requirements	External Adapter, 100-120VAC 150mA, 220-240VAC 100mA, 50/60 Hz Plug configuration for US, Euro, UK, Japan & Australian			
Display Type	2-line Alphanumeric Backlit LCD Display			
Display Size (in/cm)	4 x 1 / 10 x 2.5			
Pan Size (Diameter) (in/cm)	3.5/9			
Height above pan (in/cm)	9.5/24			
Dimension WxHxD (in/cm)	7.9 x 11.8 x 18 / 20 x 30 x 45.7			
Net Weight (lb/kg)	22.5/10.2			

\*FineRange™

## Other Standard Features and Equipment

Stability indicator, mechanical and software overload/underload protection, AC adapter, user selectable span calibration points, auto tare, auto shut-off, user selectable printing options, user selectable communications settings, user selectable data print options, user definable project and user ID's, software reset menu, software lockout menu

## Approvals

CE, FCC, CULUS, CSAUS, NRTL, OIML

## Accessories

	Ohaus Number
Dot Matrix Printer .....	80252042
Cable kit to connect Dot Matrix Printer to Discovery .....	80252571
Paper for Dot Matrix Printer.....	80251932
Ink Ribbon for Dot Matrix Printer .....	80251933
Thermal Printer .....	80251992
Paper for Thermal Printer .....	80251931
Cable kit to connect Thermal Printer to Discovery.....	80252581
Ohaus Collect Software .....	80500746
TAL Software WinWedge .....	SW12W
RS232 Cable, PC 25 Pin to Discovery .....	80500524
RS232 Cable, PC 9 Pin to Discovery .....	80500525
Plastic Dust Cover for Discovery .....	9773-79
Replacement In-Use Cover for Discovery .....	12103498
Security Device for Discovery .....	77401-00
Density Determination Kit for Discovery .....	77402-00
100g Weight.....	49015-11
200g Weight.....	49025-11

## Industry Leading Quality and Support

All OHAUS Discovery balances are manufactured under an ISO 9001:2000 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all OHAUS products for over a century.

## Ohaus Corporation

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*With offices throughout Europe,  
Asia, and Latin America*

**\* ISO 9001**  
Registered Quality Management System

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