



# EQUINOX

Equinox balances bring remarkable precision to labs that perform highly detailed testing. The Equinox is ideal for research and quality assurance facilities; science education; precision counting; production and general laboratory applications. A large 5" colour touch-screen display provides intuitive operation, with icon-driven menus and readily accessible applications.

## Comprehensive Results

### All data displays readily

- Measurements appear in seconds with all pertinent data for the active application
- Perform statistics up to 500 consecutive weights or store and recall a custom statistics method using the internal database
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines

## Data Storage and Formulation

### Fast recall streamlines testing

- Built-in memory for storing products and settings
- Formulation/recipe function
- 3,000-item database to store and recall data for ingredients, sample weights, check weight limits
- USB flash drive can be used for additional storage

## Intuitive Touchscreen Display

### Easily visible navigation

- Large 5" 800x480 pixel full colour touchscreen display
- Set different user preferences and customise appearance
- Different user options allow white text on black background



## Models for a range of applications



### Semi-Micro Balances

Dual-range models with 120g and 220g capacity and 0.01mg/0.1mg readability



### Analytical Balances

Capacities from 120g to 510g with 0.1mg readability



### Precision Balances

Capacities from 360g to 2100g, with 0.001g and 3200g to 8200g with 0.01g readability



# Functions that make the Equinox an outstanding value



## Checkweighing

Enhanced consistency for products and batches by verifying if the weight of a particular item is above, below or at a user selectable specified weight.



## Density Determination

Calculate density of liquids or solids instantly within the balance when used with optional density kit

(Available with select models).



## Statistics

Perform statistical analysis on a series of measurements and display results for minimum and maximum values, average, standard deviation, and much more.



## Formulation/ Recipe

Prepare a compound by dosing a set of components in manual mode, or recall a formula with ingredients and tolerances previously entered in the database.



## Textile

Measure and display linear mass density of yarns and threads. Store and recall textiles from the database.



## Parts Counting

Achieve high levels of accuracy to track and record inventory. Enter a sample count or look up parts from a stored database. The display shows the unit weight, number of pieces counted, and total weight.



## Percentage Weighing

Instantly calculate percentages or compare products with a master reference sample weight during quality control checks.



## Dynamic / Animal Weighing

Improve measurement accuracy when weighing animals or liquids. The balance calculates the average weight of an animal or substance based on the force exerted on the pan over a period of time.



## Weighing

The Equinox offers a wide range of weighing units to facilitate numerous lab applications. Users can program a custom unit for Unique unit weight calculations.

## Features

- Large 5" 800x480 full colour intuitive touchscreen display
- Level indicator and adjustable feet ensure proper balance setup for optimum weighing results
- RS-232 interface is available to provide speedy connection to computers and printers
- USB host for memory card
- Built-in memory for storing products and settings
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Multilingual display permits use in various regions
- Checkweighing with audible alarm



Model	EAB 125i	EAB 225i	EAB 124e	EAB 224e	EAB 314e	EAB 124i	EAB 224i	EAB 314i	EAB 414i	EAB 514i
Capacity	62g / 120g	82g / 220g	120g	220g	310g	120g	220g	310g	410g	510g
Readability	0.01mg/ 0.1mg	0.01mg/ 0.1mg	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (S.D.)	0.02mg/ 0.1mg	0.02mg/ 0.1mg	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g
Linearity (+/-)	0.1mg / 0.2mg	0.1mg / 0.2mg	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
Pan Size	80mm ø									
Weighing Units	g, mg, ct, GN, lb, oz, dwt, mm, ozt, tl.H, tl.S, tl.T, T, custom unit									
Stabilization Time (sec)	6					4				
Interface	RS-232, USB									
Calibration	Internal automatic calibration			External calibration			Internal automatic calibration			
Display	Touchscreen with 125mm -high digits									
Power Supply	24V 50/60Hz 500mA adapter									
Operating Temperature	10° to 30°C									
Housing	ABS plastic									
Draft Shield	Chamber 192x195x230mm									
Overall Dim.	224x374x338mm (wxdxh)									
Net Weight	7.2kg									

Model	EPB 363e	EPB 723e	ETB 3202e	ETB 6202e	ETB 8202e	EPB 363i	EPB 723i	EPB 1203i	EPB 2103i	ETB 3202i	ETB 6202i
Capacity	360g	720g	3200g	6200g	8200g	360g	720g	1200g	2100g	3200g	6200g
Readability	0.001g	0.001g	0.01g	0.01g	0.01g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g
Repeatability (S.D.)	0.002g	0.002g	0.02g	0.02g	0.02g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g
Linearity (+/-)	0.003g	0.003g	0.03g	0.03g	0.04g	0.003g	0.003g	0.003g	0.005g	0.03g	0.03g
Pan Size	110mm ø		185x185mm			110mm ø			185x185mm		
Weighing Units	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit										
Stabilization Time (sec)	3										
Interface	RS-232, USB										
Calibration	External calibration					Internal automatic calibration					
Display	Touchscreen with 125mm -high digits										
Power supply	9VDC 1A adapter	24V 50/60Hz 500mA adapter	9VDC 1A adapter	24V 50/60Hz 500mA adapter	9VDC 1A adapter	24V 50/60Hz 500mA adapter			9VDC 1A adapter	24V 50/60Hz 500mA adapter	
Operating Temperature	10° to 30°C										
Housing	ABS plastic										
Draft Shield	Chamber 192x195x115mm		N/A			Chamber 192x195x115mm			N/A		
Overall Dim.	224x374x219mm (wxdxh)		224x374x95mm (wxdxh)			224x374x219mm (wxdxh)			224x374x95mm (wxdxh)		
Net Weight	6.6kg					6.9kg					

## Accessories

### Item number

### Description

104008036 .....Anti-vibration table  
 1060014262 .....Density kit  
 3012014259 .....In-use wet cover  
 3014011014 .....RS-232 cable M-F  
 700100410 .....ABI-1 Ionizer  
 1120011156 .....ATP thermal printer  
 3126011263 .....ATP thermal printer paper  
 3126011281 .....ATP thermal printer paper (pack of 10)  
 700100046 .....Kensington-type lock and cable  
 600002028 .....AdamDU Data Collection Program  
 700660290 .....Calibration certificate

700100022 .....E2 100g calibration weight  
 700100023 .....E2 200g calibration weight  
 700100398 .....E1 5g Calibration Weight  
 700100399 .....E1 10g Calibration Weight  
 700100400 .....E1 20g Calibration Weight  
 700100401 .....E1 50g Calibration Weight  
 700100008 .....F1 500g Calibration Weight  
 700100007 .....F1 100g Calibration Weight  
 700100009 .....F1 1kg Calibration Weight  
 700100012 .....F1 200g Calibration Weight  
 700100010 .....F1 2kg Calibration Weight



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