



# 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" color touch-screen display provides intuitive operation, with icon-driven menus and readily accessible applications.

## Comprehensive Results

### All data readily displayed

- Measurements appear in seconds with all pertinent data for the active application
- Perform statistics on 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 color touchscreen display
- Set different user preferences and customize 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 8200g, with 0.001g and 0.01g readabilities



## Functions that make the Equinox an outstanding value



### Checkweighing

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



### 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.



### Density Determination

Calculate density of liquids or solids instantly within the balance when used with optional density kit (available with select models).



### Percentage Weighing

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



### Statistics

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



### 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.



### Formulation

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.



### Weighing

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



### Textile

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

## Features

- Large 5" 800x480 pixel 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 and USB I/O interface
- 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
<b>Capacity</b>	62g / 120g	82g / 220g	120g	220g	310g	120g	220g	310g	410g	510g
<b>Readability</b>	0.01mg/ 0.1mg	0.01mg/ 0.1mg	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
<b>Repeatability (S.D.)</b>	0.02mg/ 0.1mg	0.02mg/ 0.1mg	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g
<b>Linearity (+/-)</b>	0.1mg / 0.2mg	0.1mg / 0.2mg	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
<b>Pan Size</b>	3.1" ø / 80mm ø									
<b>Weighing Units</b>	g, mg, ct, GN, lb, oz, dwt, mm, ozt, tl.H, tl.S, tl.T, T, custom unit									
<b>Stabilization Time (sec)</b>	6					4				
<b>Interface</b>	RS-232, USB									
<b>Calibration</b>	Internal automatic calibration			External calibration			Internal automatic calibration			
<b>Display</b>	Touchscreen with 4.9"/ 125mm -high digits									
<b>Power Supply</b>	24V 50/60Hz 500mA adapter									
<b>Operating Temperature</b>	10° to 30°C / 50° to 86°F									
<b>Housing</b>	ABS plastic									
<b>Draft Shield</b>	Chamber 7.6"x7.7"x9.1" / 192x195x230mm									
<b>Overall Dim.</b>	8.8"x14.7"x13.3" / 224x374x338mm (wxdxh)									
<b>Net Weight</b>	15.9lb / 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
<b>Capacity</b>	360g	720g	3200g	6200g	8200g	360g	720g	1200g	2100g	3200g	6200g
<b>Readability</b>	0.001g	0.001g	0.01g	0.01g	0.01g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g
<b>Repeatability (S.D.)</b>	0.002g	0.002g	0.02g	0.02g	0.02g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g
<b>Linearity (+/-)</b>	0.003g	0.003g	0.03g	0.03g	0.04g	0.003g	0.003g	0.003g	0.005g	0.03g	0.03g
<b>Pan Size</b>	4.3" ø / 110mm ø		7.3"x7.3" / 185x185mm			4.3" ø / 110mm ø			7.3"x7.3" / 185x185mm		
<b>Weighing Units</b>	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit										
<b>Stabilization Time (sec)</b>	3										
<b>Interface</b>	RS-232, USB										
<b>Calibration</b>	External calibration					Internal automatic calibration					
<b>Display</b>	Touchscreen with 4.9"/ 125mm -high digits										
<b>Power supply</b>	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	
<b>Operating Temperature</b>	10° to 30°C / 50° to 86°F										
<b>Housing</b>	ABS plastic										
<b>Draft Shield</b>	Chamber 7.6"x7.7"x4.5" / 192x195x115mm		N/A			Chamber 7.6"x7.7"x4.5" / 192x195x115mm			N/A		
<b>Overall Dim.</b>	8.8"x14.7"x8.6" / 224x374x219mm (wxdxh)		8.8"x14.7"x3.7" / 224x374x95mm (wxdxh)			8.8"x14.7"x8.6" / 224x374x219mm (wxdxh)			8.8"x14.7"x3.7" / 224x374x95mm (wxdxh)		
<b>Net Weight</b>	14.5lb / 6.6kg					15.2lb / 6.9kg					

## Accessories

Item number	Description
104008036	Anti-vibration table
1060014262	Density kit for balance up to 0.001g readability
3012014259	In-use wet cover
3014011014	RS-232 cable M-F
700100410	ABI-1 Ionizer
1120014641	AIP impact printer
1120011156	ATP thermal printer
700100046	Kensington-type lock and cable
600002028	AdamDU Data Collection Program
700660290	Calibration certificate
700100398	E1 5g Calibration Weight
700100399	E1 10g Calibration Weight
700100400	E1 20g Calibration Weight
700100401	E1 50g Calibration Weight
700100022	E2 100g calibration weight
700100023	E2 200g 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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