# 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 3.1" ø / 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 4.9"/ 125mm -high digits | | | | | | | | | |
| Power Supply | 24V 50/60Hz 500mA adapter | | | | | | | | | |
| Operating Temperature | 10° to 30°C / 50° to 86°F | | | | | | | | | |
| Housing | ABS plastic | | | | | | | | | |
| Draft Shield | Chamber 7.6"x7.7"x9.1" / 192x195x230mm | | | | | | | | | |
| Overall Dim. | 8.8"x14.7"x13.3" / 224x374x338mm (wxdxh) | | | | | | | | | |
| Net Weight | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 4.3" ø / 110mm ø | | 7.3"x7.3" / 185x185mm | | | 4.3" ø / 110mm ø | | | | 7.3"x7.3" / 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 4.9"/ 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 / 50° to 86°F | | | | | | | | | | |
| Housing | ABS plastic | | | | | | | | | | |
| Draft Shield | Chamber 7.6"x7.7"x4.5" / 192x195x115mm | N/A | | | | Chamber 7.6"x7.7"x4.5" / 192x195x115mm | | | | N/A | |
| Overall Dim. | 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) | |
| Net Weight | 14.5lb / 6.6kg | | | | | 15.2lb / 6.9kg | | | | | |