

ADAM[®]



Eclipse[®]

Aligning Precision and Performance

With a full spectrum of advanced features, the Eclipse series of precision and analytical balances provides unparalleled performance. Its elegant capacitive touch keypad and large display bring a balance of efficiency, durability, and intuitive operation to any laboratory.

www.adamequipment.com

Intuitive capacitive-touch keypad

Every Eclipse is outfitted with an elegant capacitive touch keypad containing colour-coded keys, which enable uncomplicated navigation of the functions and features. Operating with a feather-light touch, the keys respond readily, even while wearing latex-gloves. The keypad's smooth surface allows fingerprints to be wiped off easily. Illuminated keys guide users through tasks, highlighting available options.



Highly visible results

Featuring one of the largest LCD readouts in the industry, the Eclipse displays sizeable white digits on a deep-blue background, ensuring ultimate visibility. A second line shows text prompts, instructions and any other relevant information. Clear, discernable symbols and multi-lingual text make operation easy, while prompts simplify even the most complex activities.



Seamless data sharing

The Eclipse achieves connectivity with precision and speed, whether it's basic data printing or advanced communication with a Laboratory Information Management System. Printouts with time, date, and other information are provided to comply with GLP requirements. USB and RS-232 interfaces optimise connections, while a third interface allows use of an optional remote display.



An Eclipse for every application

All Models:

- A below-balance weighing feature allows density measurement of both liquids and solids.
- Adjustable rear feet and leveling indicator make for easy set-up, helping to ensure optimum weighing results.



Analytical:

- Draught shield quickly disassembles for easy cleaning.



Precision:

- A clever design and compact footprint allows Eclipse to occupy minimal space on the laboratory bench (also for Analytical).



Precision (Large Pan):

- Generous 400x300mm stainless steel pan for weighing bulky samples.

Applications that make the Eclipse an *outstanding value*



WEIGHING

Create a customised weighing unit

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



PARTS COUNTING

Verify inventory with parts counting

The Eclipse provides the high levels of accuracy needed to track and record inventory. A dual text display shows the number of pieces counted and total weight, simplifying all counting tasks.



PERCENTAGE WEIGHING

Calculate percentage weight in real time

With the percentage weighing function, the Eclipse performs calculations instantly. Users can compare products with a master reference sample weight during quality control checks.



ANIMAL/DYNAMIC WEIGHING

Minimise fluctuations in readings

Dynamic weighing mode and digital filter help improve measurement accuracy. When weighing animals, the balance calculates the average weight based on the force exerted by the animal over a period of time. Once the calculation is completed by the balance, it will hold the value.



DENSITY DETERMINATION

Achieve rapid density calculation of liquids and solids

A below-balance weighing feature allows density measurement of both liquids and solids. The capacitive touch keypad guides users through the process, while built-in software performs calculations.



CHECKWEIGHING

Accomplish batch consistency

The Eclipse's checkweighing function helps boost the consistency of lots and batches. Checkweighing can verify if the weight of a particular item is above, below or at a predetermined specified weight.



CHECK COUNTING

Maximise efficiency during repetitive counting

Count-control tasks are simple with the Eclipse, as the balance verifies if the counted items are over, under, or within the set parameters.

Accessories

Item number .. Description

- 104008036 Anti-vibration table
- 1060012713 Density kit for 90mm ø pan
- 1060012714 Density kit for 120mm ø and 160mm ø pan
- 3012313007 Dust cover for 0.1mg balances
- 3012313008 Dust cover for 0.01g and 0.001g
- 1120011156 ATP thermal printer
- 3126011263 ATP thermal printer paper
- 3126011281 ATP thermal printer paper (pack of 10)
- 3074010267 USB cable
- 3014011014 RS-232 cable
- 600002028 Adam DU data collection program
- 302126013 Weigh-below hook for EBL 400x300mm pan
- 2010012712 Battery Pack
(factory installed, available on select models)
- 2010012741 Pillar option (factory fitted)
(for models with 400x300mm pan size only)
- 3014013041 Security lock cable
- 700660290 Calibration certificate



104008036



1060012714



1120011156

Model	EBL	104e	164e	214e	254e	314e	223e	423e	623e	823e	1023e	1623e	
Model	EBL	104i	164i	214i	254i	314i	223i	423i	623i	823i	1023i	1623i	
Capacity		100g	160g	210g	250g	310g	220g	420g	620g	820g	1020g	1620g	
Readability		0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	
Repeat. (S.D.)		0.00015g	0.0002g	0.0002g	0.0002g	0.0002g	0.002g	0.002g	0.002g	0.002g	0.002g	0.002g	
Linearity (+/-)		0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.003g	0.003g	0.003g	0.003g	0.003g	0.003g	
Pan Size		90mm ø				120mm ø			160mm ø				
Weighing Units		g, mg, ct, GN, dr, dwt, mm, tl.T, tl.H, tl.S, ti, T, custom unit (1023-1623 models include kg, N, no mg unit available)											
Calibration		e models: External calibration					i models: Internal automatic calibration / External calibration						
Draught Shield		Chamber 165x145x240mm					Round 180mm ø x 110mm						
Overall Dim.		220x340x344mm (wxdxh)					220x310x270mm (wxdxh)						
Net Weight		5.5kg					4.5kg						

Model	EBL	1602e	2602e	3602e	4602e	6202e	4201e	6201e	8201e	12001e	16001e	22001e	32001e	
Model	EBL	1602i	2602i	3602i	4602i	6202i								
Model (Pillar)	EBL									12001P	16001P	22001P	32001P	
Capacity		1600g	2600g	3600g	4600g	6200g	4200g	6200g	8200g	12000g	16000g	22000g	32000g	
Readability		0.01g	0.01g	0.01g	0.01g	0.01g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	
Repeat. (S.D.)		0.02g	0.02g	0.02g	0.02g	0.02g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2g	
Linearity (+/-)		0.03g	0.03g	0.03g	0.03g	0.03g	0.3g	0.3g	0.3g	0.4g	0.4g	0.4g	0.4g	
Pan Size		160mm ø							400x300mm					
Weighing Units		g, kg, ct, GN, N, dr, dwt, mm, tl.T, tl.H, tl.S, ti, T, custom unit												
Calibration		e and P models: External calibration					i models: Internal automatic calibration / External calibration							
Overall Dim.		220x310x89mm (wxdxh)							401x460x102mm (wxdxh) Pillar: 401x500x600mm (wxdxh)					
Net Weight		4.5kg							7.3kg					

Common Specifications

- Stabilization Time: 5 seconds
- Interface: RS-232, USB
- Display: Backlit LCD with capacity tracker with 24mm-high digits
- Power Supply: 18VDC 830mA adapter
- Operating Temperature: 15° to 35°C
- Housing: Die cast aluminum

Features

- The illuminated capacitive touch keypad provides responsive operation, and its durable, smooth surface can be easily wiped down
- Vivid, backlit LCD easily visible in any lighting conditions
- Capacity tracker built into display for easily monitoring possible overloads
- USB and RS-232 interfaces provide speedy communication with computers and printers
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Robust metal housing protects internal components in harsh environments
- Large, grade 304 stainless steel pan allows swift cleaning
- Level indicator and adjusting feet ensure proper balance setup for optimum weighing results
- Removable draught shield on models with 0.001g readability helps to reduce errors caused by air currents

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