Eclipse® Analytical Balances

ADAM®

Tailor-made for advanced scientists and researchers, Eclipse analytical balances offer capacities of 100g to 310g and readabilities of 0.1mg. A capacitive touch keypad contains illuminated colour-coded keys, which provide uncomplicated navigation of the functions and features. Featuring one of the largest LCD readouts in the industry, the Eclipse displays sizeable white digits on a deep-blue background, ensuring exceptional visibility. Clear, discernible symbols and multi-lingual text enable easy operation, while prompts simplify even the most complex activities. The Eclipse's innovative design results in a compact footprint, so the balance occupies minimal space on the laboratory work bench while retaining a high level of performance. Connectivity, whether it's basic data printing or advanced communication with a LIMS, is achieved with USB and RS-232 interfaces. Printouts with time, date, and other information are provided to comply with GLP requirements. Eclipse models offer the option of internal or external calibration.

Fully featured series – our most intuitive balance to date

Features

- Vivid, backlit LCD easily visible in any lighting conditions
- Capacity tracker built into display for easily monitoring possible overloads
- Programmable backlight can be set to "always on," "always off" or "light only when weighing"
- Large, grade 304 stainless steel pan allows easy cleaning
- Overload protection helps prevent damage to internal components
- Robust metal housing protects internal components in harsh environments
- Sealed keypad protects against dirt and spills
- USB and RS-232 interfaces provide speedy communication with computers and printers
- Level indicator and adjustable feet ensure proper balance setup for optimum weighing results
- The illuminated capacitive touch keypad provides responsive operation, and its durable, smooth surface can be easily wiped down
- External calibration allows for verification and adjustment with weights
- Multilingual display allows use in many different countries
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Security password control prevents unauthorised access
- Selectable digital filtering helps minimise effects of vibration and disturbances
- AC adapter included

Applications

- Weighing
- Parts counting
- Percentage weighing
- Checkweighing
- Dynamic / animal weighing
- Density determination
- Accumulation of weight
- Formulation

About ADAM:

For more than 40 years, professionals worldwide have relied on Adam Equipment for an extensive selection of dependable and affordable weighing equipment. Adam provides the right balance of speed, performance and value.

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Model - External Calibration	EBL 104e	EBL 164e	EBL 214e	EBL 254e
Model - Internal Calibration	EBL 104i	EBL 164i	EBL 214i	EBL 254i
Capacity	100g	160g	210g	250g
Readability	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (S.D.)	0.00015g	0.0002g	0.0002g	0.0002g
Linearity (+/-)	0.0003g	0.0003g	0.0003g	0.0003g
Pan Size	90mm ø			
Weighing Units	g, mg, ct, GN, dr, oz, ozt, dwt, mm, tl.T, tl.H, tl.S, ti, T, custom unit			
Stabilisation Time (sec)	3			
Interface	RS-232, USB			
Calibration	e models: External calibration i models: Internal automatic calibration / External calibration			
Display	Backlit LCD with capacity tracker with 24mm-high digits			
Power Supply	18VDC 50/60Hz 830mA adapter			
Operating Temperature	15° to 35°C			
Housing	Extruded aluminum base with a die-cast aluminum case			
Draught Shield	Chamber 165x145x240mm			
Overall Dim.	220x340x344mm (wxdxh)			
Net Weight	5.5kg			

Accessories

Item number	Description
104008036	Anti-vibration table
3074010267	USB cable
1060012713	Density kit for 90mm ø
3012313007	Dust cover for 0.1mg balances
1120011156	ATP thermal printer
3126011263	ATP thermal printer paper
3126011281	ATP thermal printer paper (pack of 10)
3014011014	RS-232 cable M-F
600002028	Adam DU data collection program
3021210953	Weigh-below hook
700660290	Calibration certificate
3014013041	Security cable
700100026	E2 1mg - 200g Calibration Weight Set
700100207	E2 1g - 200g Calibration Weight Set
700100022	E2 100g Calibration Weight
700100023	E2 200g Calibration Weight
700100232	E2 50g Calibration Weight

Key Accessories

Anti-vibration table
The AVT anti-vibration table offers a solid, stable surface to help decrease vibration during the operation of analytical or precision balances. The AVT can help reduce fluctuations and inconsistency in measurement resulting from environmental affects.

ATP thermal printer
Easy-to-use features combined with quick set-up equals a truly versatile thermal printer. A single push-button feed key and three easy-to-read LED indicators make operation simple.

AdamDU data collection program
Adam DU software connects a balance to the laboratory network, helping to achieve seamless data collection, transfer and analysis. DU features an easy-to-use interface with a main command window, allowing users to quickly collect information from up to eight Adam balances simultaneously using RS-232 or USB connections.

Supplied by

TempLab
Instruments de laboratoire
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