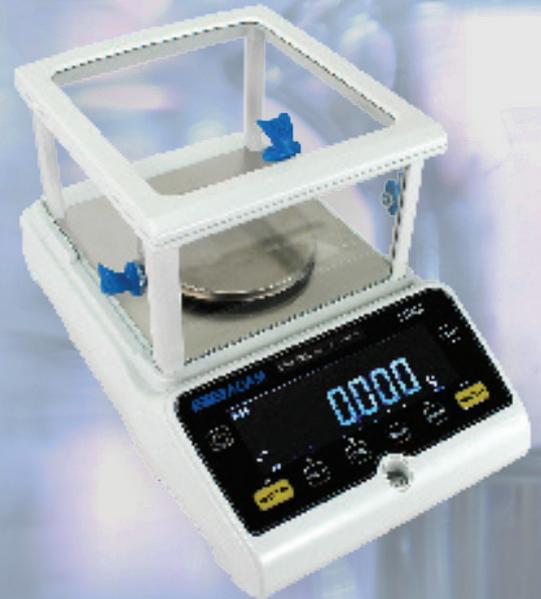# LUNA

LAB 254i Max=253 g d=0.0001 g   **LUNA**

Durability and elegance with precision and performance
Designed for professionals, Luna analytical and precision balances deliver reliable and accurate results for everyday laboratory use. A clean, easy-to-use interface makes performing weighing tasks effortless and for convenient setup a simple-to-read leveling bubble is located at the front. Bright yellow tare keys are appropriately placed either side for efficient operation.

LUNA ANALYTICAL AND PRECISION BALANCES

Application support
Built-in applications for the most complex weighing tasks.

Security
To prevent theft, Luna balances are equipped with a slot for a Kensington™ type lock and cable as well as password protection that helps prevent unauthorized access.

Communication is key
The Luna offers standard USB and RS-232 interfaces for secure sharing of data.

Audit trail
The Luna can output reports that meet Good Laboratory Practice (GLP) guidelines; making it easy to maintain records.

BUILT IN APPLICATIONS

Weighing
Luna offers a wide range of weighing units to facilitate numerous lab applications. Users can program a custom unit for unique unit weight calculations.

Parts Counting
Achieve high levels of counting accuracy to track and record inventory. Enter a preset sample count the display can show the unit weight, number of pieces counted, and total weight.

Percentage Weighing
Instantly calculate percentages or compare products with a master reference sample weight. Use percentage weighing to improve quality checking processes.

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

Dynamic / Animal Weighing
Improve measurement accuracy when weighing animals or liquids. Dynamic weighing is also helpful when weighing substances that move such as liquids.

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

Net TotalWeighing
The net / total function keeps track of your current weight and total weight. Simply weigh an item save it then repeat each weighing, the balance shows you the total and the current object being weighed.

Calibration options
Luna offers models with an internal, motorized automatic calibration option. Automatic internal calibration allows the user to configure the balance to automatically calibrate if the temperature has changed or a set time limit has passed.

Easy cleaning
Luna's high-quality, grade 304 stainless steel pan and surround can be easily removed for fast and thorough cleaning.

Selection of models
The Luna range consists of 16 models offering a variety of analytical and precision balances, making it easy to find the right balance for your lab work.

Impressive display
At 24mm high the Luna offers one of the largest LCD displays in the industry.

Features
- Vivid, backlit LCD easily visible in any lighting conditions
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- Level indicator and adjustable feet ensure proper balance setup for optimum weighing results
- Security slot for optional Kensington-type lock and cable to help prevent theft
- Large, grade 304 stainless steel pan allows easy cleaning
- Sealed keypad protects against dirt and spills
- USB and RS-232 interfaces provide speedy communication with computers and printers
- External calibration allows for verification and adjustment with weights
- Hold function freezes the displayed weight, allowing time to elapse without losing the result
- Multilingual display allows use in many different countries
- Parts counting with preset sample sizes
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Selectable digital filtering for animal/dynamic weighing enables consistent results for moving subjects
- Auto power-off to save energy
- AC adapter included

Accessories

Item number	Description
104008036	Anti-vibration table
1060012713	Density kit
3074010267	USB cable
3012014260	In-use cover
1120011156	ATP thermal printer
1120014641	AIP impact printer
3014011014	RS-232 cable M-F
700100046	Kensington-type lock and cable
600002028	AdamDU Data Collection Program
700660290	Calibration certificate

104008036

1060012713

1120014641

Analytical Balances

Model	LAB 84e	LAB 124e	LAB 214e	LAB 254e	LAB 84i	LAB 124i	LAB 214i	LAB 254i
Capacity	80g	120g	210g	250g	80g	120g	210g	250g
Readability	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (S.D.)	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g
Linearity (+/-)	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
Min. Weight (USP, typical)	200mg	200mg	200mg	200mg	200mg	200mg	200mg	200mg
Pan Size	90mm ø							
Weighing Units	mg, g, ct, GN, N, dr, oz, ozt, dwt, mm, tl.T, tl.H, tl.S, T, custom unit							
Stabilisation Time (sec)	2							
Interface	RS-232, USB							
Calibration	External calibration				Internal automatic calibration / External calibration			
Display	Backlit LCD with 24mm -high digits							
Power Supply	18VDC 50/60Hz 830mA adapter							
Operating Temperature	15° to 35°C							
Housing	ABS plastic							
Draught Shield	Chamber 192x195x230mm							
Overall Dim.	224x374x338mm (wxdxh)							
Net Weight	5.8kg				6.2kg			

Precision Balances

Model	LPB 223e	LPB 423e	LPB 623e	LPB 823e	LPB 223i	LPB 423i	LPB 623i	LPB 823i	LTB 2602e	LTB 3602e	LTB 4602e	LTB 6002e	LTB 2602i	LTB 3602i	LTB 4602i	LTB 6002i	LBB 6001e	LBB 8001e	LBB 12001e	LBB 15001e
Capacity	220g	420g	620g	820g	220g	420g	620g	820g	2600g	3600g	4600g	6000g	2600g	3600g	4600g	6000g	6000g	8000g	12000g	15000g
Readability	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g	0.01g	0.01g	0.01g	0.01g	0.01g	0.01g	0.1g	0.1g	0.1g	0.1g
Repeatability (S.D.)	0.002g	0.002g	0.002g	0.002g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g	0.02g	0.02g	0.02g	0.02g	0.02g	0.02g	0.2g	0.2g	0.2g	0.2g
Linearity (+/-)	0.003g	0.003g	0.003g	0.003g	0.003g	0.003g	0.003g	0.003g	0.03g	0.03g	0.03g	0.03g	0.03g	0.03g	0.03g	0.03g	0.3g	0.3g	0.3g	0.3g
Min. Weight (USP, typical)	2g	2g	2g	2g	2g	2g	2g	2g	20g	20g	20g	20g	20g	20g	20g	20g	200g	200g	200g	200g
Pan Size	120mm ø								185x185mm											
Weighing Units	mg, g, ct, GN, dr, ozt, dwt, mm, tl.T, tl.H, tl.S, T, custom unit								g, kg, ct, GN, N, dr, lb, oz, lb:oz, ozt, dwt, tl.T, tl.H, tl.S, T, custom unit								g, kg, ct, GN, N, dr, lb, oz, lb:oz, ozt, dwt, tl.T, tl.H, tl.S, T, custom unit			
Stabilisation Time (sec)	2																			
Interface	RS-232, USB																			
Calibration	External calibration				Internal automatic calibration / External calibration				External calibration				Internal automatic calibration / External calibration				External calibration			
Display	Backlit LCD with 24mm -high digits																			
Power Supply	18VDC 50/60Hz 830mA adapter																			
Operating Temperature	15° to 35°C																			
Housing	ABS plastic																			
Draught Shield	Chamber 192x195x115mm								N/A											
Overall Dim.	224x374x219mm (wxdxh)								224x374x95mm (wxdxh)											
Net Weight	4.1kg	5.9kg	4.5kg	6.3kg	4.5kg				5.9kg				4.5kg							