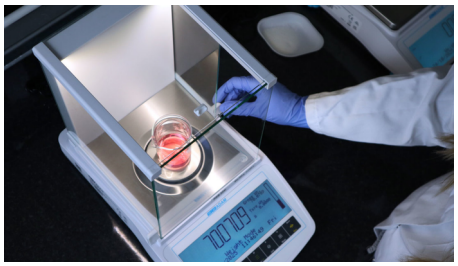
Polaris Analytical Balances

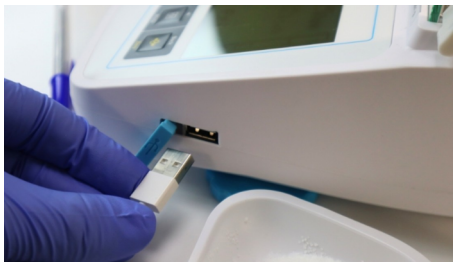


Polaris semi-micro and analytical balances combine a brightly illuminated weighing chamber with advanced connectivity options for streamlined GLP-compliant recordkeeping and communication. Their multi-line display provides clear, step-by-step guidance, rapid weighing results and real-time application status for complete operational clarity. Checkweighing is made more efficient by a colour-changing backlight that instantly indicates whether samples fall within user-defined limits.

Polaris offers clarity with every measurement







Features

- Store 200,000+ results in the internal memory for full traceability
- Colour-changing backlight in checkweighing mode to show if under, over or within acceptable limits
- Connect seamlessly to PCs, printers, or LIMS via Bluetooth, RJ45 Ethernet, RS-232 and USB interfaces
- Compliance with Good Laboratory Practices (GLP) and Good Manufacturing Practices (GMP) standards for data tracking
- Unique air diversion technology (ADT) below the weighing pan discharges warm air from the weighing chamber for more accurate weighing results (PAB 125i only)
- Bright, LED-lit weighing chamber for clear visibility of samples
- Security slot for optional lock and cable to help prevent theft
- Large, grade 304 stainless steel pan allows easy cleaning
- Capacity tracker built into display for easily monitoring possible overloads
- Up to 200 ingredients can be stored in the internal memory (10 formulations each holding 20 ingredients)
- Multilingual display allows use in many different countries
- Selectable digital filtering helps minimise effects of vibration and disturbances
- Removable draft shield for easy cleaning and transportation offsite
- Multi-level security permissions: 1 administrator plus up to 99 operators
- Hook provided for below-balance weighing
- In-use cover provided to protect the balance from dust, dirt and moisture
- Solid, durable ABS housing to withstand daily use
- Parts counting with preset sample sizes (10, 25, 50, 100pcs)

Applications

- Weighing
- Parts counting
- Percentage weighing
- Checkweighing
- Check counting
- Display hold
- Dynamic / animal weighing
- Net total weighing
- Density determination
- Formulation
- Accumulation

Adam is the answer.

For more than half a century, Adam has been the answer when accuracy is the priority. Adam scales and balances provide precision solutions for professionals in every industry.

adamequipment.com

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Product details

Model	PAB 124e	PAB 224e	PAB 324e	PAB 424e	PAB 125i	PAB 124i	PAB 224i	PAB 324i
Capacity	120g	220g	320g	420g	80g / 120g	120g	220g	320g
Readability	0.0001g				0.00001g / 0.0001g	0.0001g		
Accuracy - Repeatability SD >80% lower range					0.00002g			
Accuracy - Repeatability SD > 80% upper range					0.0001g			
Standard Deviation <5% capacity	0.00009g	0.00007g	0.00009g	0.00008g	0.000020g	0.00009g	0.00007g	0.00009g
USP Minimum Weight (K=2, U=0.10%)	0.1821g	0.1494g	0.1751g	0.1523g	0.03950g	0.1821g	0.1494g	0.1751g
USP Optimised Minimum Weight (USP, K=2, U=0,10%, SRP≤0,41d)	0.0820g				0.00820g	0.0820g		
Minimum weight (K=2, U=1%)	0.0182g	0.0149g	0.0175g	0.0152g	0.00395g	0.0182g	0.0149g	0.0175g
Pan Size	80mm ø							
Weighing Units	g,mg,ct,GN,ozt,oz,dr,tl.H,tl.T,tol,ti,N,custom unit,mm,tl.S,dwt							
Stabilisation Time (sec)	3				5	3		
Interface	RS-232/USB/Bluetooth							
Calibration	External calibration				Internal automatic calibration , External calibration			
Display	Backlit LCD Graphical with 26mm high digits							
Display Languages	English / German / French / Spanish / Portuguese / Italian							
Power Supply	18VDC 830mA adapter Input Voltage: 100-240V 50/60Hz 0.6A							
Housing	ABS plastic							
Overall Dimensions	235x398x336mm							
Draft Shield Dimensions	193x218x243mm							
Net Weight	6.3kg				6.7kg	6.6kg		6.7kg

Model	PAB 424i
Capacity	420g
Readability	0.0001g
Accuracy - Repeatability SD >80% lower range	
Accuracy - Repeatability SD > 80% upper range	
Standard Deviation <5% capacity	0.00008g
USP Minimum Weight (K=2, U=0.10%)	0.1523g
USP Optimised Minimum Weight (USP, K=2, U=0,10%, SRP≤0,41d)	0.0820g
Minimum weight (K=2, U=1%)	0.0152g
Pan Size	80mm ø
Weighing Units	g,mg,ct,GN,ozt,oz,dr,tl.H,tl.T,tol,ti,N,custom unit,mm,tl.S,dwt
Stabilisation Time (sec)	3
Interface	RS-232/USB/Bluetooth
Calibration	Internal automatic calibration , External calibration
Display	Backlit LCD Graphical with 26mm high digits
Display Languages	English / German / French / Spanish / Portuguese / Italian
Power Supply	18VDC 830mA adapter Input Voltage: 100-240V 50/60Hz 0.6A
Housing	ABS plastic
Overall Dimensions	235x398x336mm
Draft Shield Dimensions	193x218x243mm
Net Weight	6.7kg

Adam follows a policy of continuous improvement and reserves the right to change specification and pricing without notice. Standard terms and conditions of sale apply. Errors and omissions excepted.

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Product details

Accessories

Item Number	Description
104008036	AVT Anti-vibration table
1120015779	ATP 2 Thermal Printer
1120014641	AIP impact printer
3021210954	Big below weighing hook
3014013041	Security lock cable
600002028	AdamDU Data Collection Program
700100410	ABI-1 Ionizer

Key accessories



AVT Anti-vibration table

The AVT allows balances to perform with precision despite air currents and vibrations. AVT is easy to assemble, as all the necessary tools are supplied. Internal working surface dimensions: 400 x 450mm.



ATP 2 Thermal Printer

The ATP2 is a compact general purpose thermal roll printer that connects via RS-232 interface to Adam scales and balances.

In the box

Models supplied with:

- AC Mains Power Adapter & Cord
- Balance
- Draft Shield

Supplied by

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