

Polaris Semi-Micro & 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 provides complete clarity in weighing - from its brightly-lit chamber to the expansive LCD display.



Features

- Solid, durable ABS housing to withstand daily use
- Grade 304 stainless steel pan allows easy cleaning
- Bright, LED-lit weighing chamber for clear visibility of samples
- Intuitive, easy-to-use display showing instructions, results and application status at a glance
- Colour-changing backlight in checkweighing mode to show if under, over or within acceptable limits
- Multilingual display allows use in many different countries
- Unique air diversion channel (ADT) below the weighing pan discharges warm air from the weighing chamber for more accurate weighing results (PAB 125i only)
- Selectable digital filtering helps minimise effects of vibration and disturbances
- 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
- Up to 200 ingredients can be stored in the internal memory (10 formulations each holding 20 ingredients)
- Security slot for optional lock and cable to help prevent theft
- Multi-level security permissions: 1 administrator plus up to 99 operators
- In-use cover and weigh-below hook provided with each model

Applications

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

About Adam:

For over 50 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.

Product Details

Model	PAB 125i	PAB 124i	PAB 124e	PAB 224i	PAB 224e	PAB 324i	PAB 324e	PAB 424i	PAB 424e
Capacity	80g / 120g	120g		220g		320g		420g	
Readability	0.00001g / 0.0001g		0.0001g						
Accuracy - Repeatability >80%	n/a		0.0001g						
Accuracy - Repeatability SD >80% lower range	0.00002g		n/a						
Accuracy - Repeatability SD >80% upper range	0.0001g		n/a						
Standard Deviation <5% capacity	0.000020g	0.00009g		0.00007g		0.00009g		0.00008g	
USP Minimum Weight (K=2, U=0.10%)	0.03950g	0.1821g		0.1494g		0.1751g		0.1523g	
USP Optimised Minimum Weight (USP, K=2, U=0.10%, SRP≤0.41d)	0.00820g		0.0820g						
Minimum weight (K=2, U=1%)	0.00395g	0.0182g		0.0149g		0.0175g		0.0152g	
Linearity +/-	0.0001g / 0.0003g		0.0003g						
Pan Size	80mm ø								
Weighing Units	g, mg, ct, dwt, gr, oz, dr, tl.HK, tl.S, tl.T, mm, tol, tk, N, custom unit								
Stabilisation Time (sec)	3 / 5		3						
Interface	RJ45 Ethernet, Bluetooth®, RS-232, USB x2								
Calibration	Internal (Suffix 'i'), External (Suffix 'e')								
Display	7.4" Multi-Colour Backlit LCD								
Display Languages	English, German, French, Spanish, Portuguese, Italian								
Power Supply	18VDC 830mA adapter								
Housing	ABS plastic with glass draft shield								
Overall Dimensions	235x398x336mm								
Draft Shield Dimensions	193x218x243mm								
Net Weight	6.7kg	6.6kg	6.3kg	6.6kg	6.3kg	6.7kg	6.3kg	6.7kg	6.3kg

Accessories

Item Number.....Description

- 104008036AVT Anti-Vibration Table
- 1120015779.....ATP 2 Thermal Printer
- 700100410ABI-1 Ioniser
- 600002028.....AdamDU Data Collection Program
- 3014011014.....RS-232 cable 9M-9F
- 3074010267USB cable A-B
- 3014016565USB cable A-A
- 700100046.....Security Lock and Cable
- 700660290.....Calibration certificate
- 3126011263.....ATP2 Thermal Printer Paper
- 3126011281.....ATP2 Thermal Printer Paper (pack of 10)

Key Accessories



AVT Anti-Vibration Table

Ergonomically styled, the AVT offers a solid, stable surface developed specifically to help decrease vibration during measurement. Its large, scratch-resistant dark granite slab sits on shock-absorbing rubber mounts, while leveling feet accommodate uneven surfaces.



ATP2 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

Polaris PAB models are supplied with:

- Glass draft shield (requires assembly)
- Assembly tool
- Weigh-below hook
- In-use cover
- Draft shield assembly instructions



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