



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/e	PAB 224i/e	PAB 324i/e	PAB 424i/e
Capacity	80g/120g	120g	220g	320g	420g
Readability	0.00001g/0.0001g	0.0001g			
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	6.3kg ('e') / 6.6kg ('i')	6.3kg ('e') / 6.6kg ('i')	6.3kg ('e') / 6.7kg ('i')	6.3kg ('e') / 6.7kg ('i')

## Accessories

### Item Number.....Description

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

## 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



## 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.