



Polaris precision balances offer a clear, intuitive weighing experience. Advanced connectivity options mean streamlined GLP-compliant recordkeeping and communication. A multi-line display provides clear, step-by-step guidance, rapid weighing results and real-time application status for complete clarity, while speeding up checkweighing with a color-changing backlight that show whether samples fall within user-defined limits.

***Precision results, advanced connectivity and an expansive display allow Polaris to provide an intuitive weighing experience for demanding labs.***



## Features

- Solid, durable ABS housing to withstand daily use
- Large, grade 304 stainless steel pan allows easy cleaning
- Bright, LED-lit weighing chamber for clear visibility of samples (PPB models)
- Intuitive, easy-to-use display showing instructions, results and application status at a glance
- Color-changing backlight in checkweighing mode to show if under, over or within acceptable limits
- Multilingual display allows use in many different countries
- Selectable digital filtering helps minimize 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	PPB 223i/e	PPB 423i/e	PPB 623i/e	PPB 823i/e	PPB 1223i/e	PPB 1623i/e	PTB 2602i/e	PTB 4602i/e	PTB 6202i/e	PTB 8202e	PBB 6001e	PBB 12001e	PBB 16001e
Capacity	220g	420g	620g	820g	1220g	1620g	2600g	4600g	6200g	8200g	6000g	12000g	16000g
Readability	0.001g						0.01g				0.1g		
Accuracy - Repeatability >80%	0.001g						0.01g				0.1g		
Standard Deviation <5% capacity	0.0007g						0.007g			0.006g	0.01g	0.03g	
USP Minimum Weight (K=2, U=0.10%)	1.343g	1.405g	1.382g	1.311g	1.350g		13.10g	13.76g	14.94g	12.47g	28.3g	58.9g	59.6g
USP Optimised Minimum Weight (USP, K=2, U=0.10%, SRP≤0.41d)	0.820g						8.20g				82.0g		
Minimum weight (K=2, U=1%)	0.134g	0.140g	0.138g	0.131g	0.135g		1.31g	1.38g	1.49g	1.25g	2.8g	5.9g	6.0g
Linearity +/-	0.003g						0.03g				0.3g		
Pan Size	120mm ø						185 x 185mm						
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						2						
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						ABS plastic						
Overall Dimensions	235x398x336mm						235x398x100mm						
Draft Shield Dimensions	193x218x243mm						N/A						
Net Weight	5.2kg ('e') / 5.6kg ('i')		6.4kg ('e') / 6.9kg ('i')		6.4kg ('e') / 7.1kg ('i')		3.4kg ('e') / 4.4kg ('i')		3.4kg ('e') / 4.8kg ('i')		3.4kg		

## Accessories

Item Number.....	Description
104008036 .....	AVT Anti-Vibration Table
1120015779 .....	ATP2 Thermal Printer
700100410 .....	ABI-1 Ionizer
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)

## 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 PPB models are supplied with:

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



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