

Technical Specifications

Model	PW 124	PW 184	PW 214	PW 254
Maximum capacity	120g	180g	210g	250g
Readability	0.0001g			
Repeatability (S.D.)	0.00015g	0.0002g		
Linearity (±)	0.0002g			
Pan size	90mm Ø			
Units of measurement	Gram (g), Milligram (mg), Carat (ct), Ounce (Oz), Dram (d), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Momme (MM), Tels Hk. (TL.H), Tels S. (TL.S), Tels T. (TL.T), Tical (ti), Newton (N), Tola (T), Custom unit			
Calibration	Calibration with internal mass. Alternatively the user can choose to calibrate using an external mass			
Draught shield dimensions (w x d x h)	202 x 158 x 215mm			
Overall dimensions (w x d x h)	256 x 524 x 275mm			
Net weight	12kg			

Model Ext. Cal	PGW 153e	PGW 253e	PGW 453e	PGW 753e	PGW 1502e	PGW 2502e	PGW 3502e	PGW 4502e
Model Int. Cal	PGW 153i	PGW 253i	PGW 453i	PGW 753i	PGW 1502i	PGW 2502i	PGW 3502i	PGW 4502i
Maximum capacity	150g	250g	450g	750g	1500g	2500g	3500g	4500g
Readability	0.001g				0.01g			
Repeatability (S.D.)	0.001g				0.01g			
Linearity (±)	0.002g				0.02g			
Pan size	140 x 140mm				192 x 192mm			
Units of measurement	Gram (g), Kilogram (kg), Milligram (mg), Carat (ct), Pound (lb), Ounce (Oz), Dram (d), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Momme (MM), Tels Hk. (TL.H), Tels S. (TL.S), Tels T. (TL.T), Tical (ti), Newton (N), Custom unit				Gram (g), Kilogram (kg), Carat (ct), Pound (lb), Ounce (Oz), Dram (d), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Momme (MM), Tels Hk. (TL.H), Tels S. (TL.S), Tels T. (TL.T), Tical (ti), Newton (N), Custom unit			
Calibration	Automatic external calibration on "e" models or Internal automatic calibration on "i" versions							
Draught shield dimensions (w x d x h)	158 x 158 x 80mm				N/A			
Overall dimensions (w x d x h)	251 x 358 x 104mm							
Net weight	5.5kg							

General Specifications

Interface	Bi-directional RS-232 (Standard)
Stabilisation time	Typical 2-4 seconds
Display	Backlit LCD with dual digits (24 mm high) and capacity tracker
Power supply	15 VDC, 50/60 Hz, 800 mA (Input Voltage 100-240 V, 50/60 Hz)
Operating temperature	10°C to 40°C
Housing	Die cast aluminium housing with glass weighing chamber

Accessories

No. 8023 - Adam printer	No. 8030 - Security lock and cable
No. 5001 - Adam statistics printer	No. 8002 - Dust cover for PGW
No. 3584 - Thermal paper roll for Adam printers	No. 8003 - Dust cover for PW
No. 8036 - Anti-vibration table	No. 9028 - RS-232 cable
No. 7999 - Density determination kit for PGW (1mg only)	No. 9066 - RS-232 to USB interface cable
No. 8001 - Density determination kit for PW	No. 9061 - AdamDU - data collection software
No. 3620 - Below balance hanger	

The PW Analytical and PGW Precision Balances



Speed, Performance, Value – The Right Balance

Adam Equipment's PW analytical and PGW precision balances are designed to deliver the ultimate in speed and accuracy in an easy-to-use and reliable model. The attractive functional design and advanced features make the PW and PGW series your best choice for your laboratory balances.

The series incorporates the very latest generation of software, which has a deceptively simple user interface for easy setup and control of a wide range of smart functions and security features, allowing simple and advanced weighing applications to be executed on the spot, without the need for complex calculations. All the features are packaged into a high power, high performance balance, saving you valuable time and resources.

The PW and PGW combine the latest in product development with a company committed to your weighing needs, giving you the perfect balance of speed, performance and value.



Special design features

Distinctive and informative display

The large backlit LCD display has clear digits so critical data is always in view, a capacity tracker means that you always know where you are in the weighing range and an integrated second digital display shows additional information including text prompts, time / date and piece weight.

Wide-ranging data communication options

The standard bi-directional RS-232 communications port integrates fully with a computer or connects to a printer, allowing easy output of information as well as a variety of other accessible options. A second port enables future expansion for external devices.

Safety and security features

Adam's state-of-the-art technology provides a number of features to keep your balance safe and secure. Password protection software can be enabled, preventing unauthorised use. There is also an integral security mounting point for a Kensington™ type lock and cable.

Smart and stylish design

The PW and PGW balances meet the standards of reliability and quality that Adam's customers expect. The metal housing is much more rugged than plastic cases and has been designed to divert spills away. The large, stainless steel pan can be removed for easy cleaning or storage.

The PW and PGW balances a speed and performance for you



Track and record inventory with parts counting

The dual display gives true flexibility for counting parts, so whether your application involves pharmaceuticals or small manufacturing components with a high counting accuracy, the PW and PGW are ideally suited for you. The display shows both the total weight on the platform as well as the number of pieces counted and, at the touch of a button, the unit weight of one piece can be displayed.



Quality control checks made simple

Filling and checking the weight of objects with these balances makes it easy to meet your quality control expectations. Set your own limits and the display will indicate when the weight is too low, too high or on the mark and a selectable warning indicates when you are on target. The software's true flexibility lets you select one or two target points. Use the capacity tracker to give you a visual perspective of your check weighing.



Percentage weight calculations on the spot

You can compare your products against a master sample reference weight for quality control and, using the percentage weighing feature, the balance does all the calculations for you and displays the variations as a percentage.

THE RIGHT BALANCE Speed, Performance, Value



FEATURES AT A GLANCE

RS-232 INTERFACE STANDARD

Data transfer and communication to printers and computers is quick and easy

OPTIONAL ACCESSORIES AVAILABLE TO SUIT YOUR NEEDS

Including density weighing kit, hook for below-balance weighing, printer, RS-232 cable, anti-vibration table, dust cover and in-use wet cover

DIGITAL FILTERS

User-selectable filters enhance the performance of the balance based on your environment

re packed with valuable features, delivering our applications.



Control fluctuations while you weigh

The animal/dynamic weighing mode helps you get the best readings when your environment or application is affected by influences including vibrations, oscillation or movement of objects on the platform, or air movements. The PW and PGW give you the control by allowing the user to select the appropriate filter speed for the best response.



Track weights of tared objects and their contents

Simply using the tare key, you can automatically track every component of the weighing process, whether you need to know the value of the tared container, the goods it contains, or the total of both together. The PW and PGW's dual display can show both the total gross weight and the net weight at the same time when needed.



Calculate and measure weights in a batch

You can use the totalisation features to calculate each item's weight in a batch, as well as the total during the weighing process. The data can be recalled on the screen and transmitted to a computer or printer for further analysis.



Perform density measurements of liquids and solids

Whether your application involves density measurements of liquids or solids, density calculations are simple with the built-in software that guides you through the application as you work. Below-balance weighing access is standard on all models for the ability to perform density and other weighing needs under the balance. An optional density kit for the PW and PGW (mg balances) for above density calculations or a below-balance weighing hook are available.



Weighing and customised units

Up to 18 weighing units are included as standard, offering you the flexibility needed for every laboratory application. One custom unit allows you to perform independent custom calculations. For example; using the PW and PGW to work out a cost per weight reading, or a weight per square metre, gives you added flexibility.

How can Adam's PW or PGW balance help you?



DESIGNED FOR A WIDE RANGE OF APPLICATIONS

Parts counting, check and percentage weighing, net/totalisation, animal/dynamic weighing and density determination built in applications to suite your needs

INCLUDES UP TO 18 WEIGHING UNITS

You can even customise a unit to suit your favourite application

BACKLIT LCD DISPLAY WITH DUAL DISPLAY

Easy to read display stands out to give you the freedom to do what you need to

MONITORS CAPACITY LIMITS TO PREVENT OVERLOAD

Capacity tracker clearly indicates remaining weighing capacity, also used as an indicator for check weighing

MOTORIZED INTERNAL AND EXTERNAL CALIBRATION OPTIONS

Internal calibration software senses temperature changes and quickly calibrates automatically or sets a preset time for your calibrations

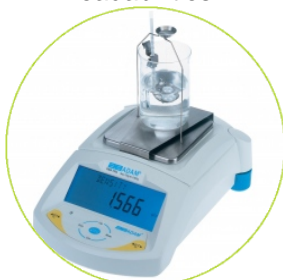
PRINTS GLP COMPLIANT REPORTS AFTER EACH CALIBRATION

Details report include time, date, balance number and calibration verification for full traceability



Speed, Performance, Value - The Right Balance

- 18 Weighing units (including one custom unit)
- Adjustable filters
- Full range tare
- Zero Tracking
- Date and time
- Large backlit display with dual text prompts
- Capacity tracker
- Large stainless steel pan
- Solid metal housing
- Non-slip adjustable levelling feet
- Lock down mounting slot for Kensington® type lock
- Colour coded, sealed keypad
- Dual tare keys
- Splashproof to protect from accidental spills
- Removable draft shield supplied on 0.001g readabilities
- RS-232 bi-directional interface
- GLP print outs
- External calibration
- Internal calibration optional
- DC Adapter
- Weighing
- Net / Total
- Check weighing
- Percentage weighing
- Weight accumulation
- Parts counting
- Animal / dynamic weighing
- Density determination
- Below balance weighing



Technical Specifications

Model	PGW 153e	PGW 253e	PGW 453e	PGW 603e	PGW 753e	PGW 1502e	PGW 2502e	PGW 3502e	PGW 4502e	PGW 6002e
Maximum capacity	150g	250g	450g	600g	750g	1500g	2500g	3500g	4500g	6000g
Readability	0.001g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g	0.01g	0.01g	0.01g
Tare range	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full
Repeatability (S.D.)	0.001g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g	0.01g	0.01g	0.02g
Linearity (±)	0.002g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g	0.02g	0.03g	0.03g
Pan size	145 x 125mm				140 x 140mm	192 x 192mm				

The same models are available with motorised Internal Calibration as series denoted with 'i'.

General Specifications

Units of measurement	Gram (g), Kilogram (kg), Milligram (mg), Carat (ct), Pound (lb), Ounce (Oz), Dram (d), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Momme (MM), Taels Hk. (TL.H), Taels S. (TL.S), Taels T. (TL.T), Tical (ti), Tola (T), Newton (N), Custom unit
Typical stabilisation time	2 Sec
Interface	Bi-directional RS-232 (Standard)
Calibration	Internal or External, Selectable automatic calibration due to change in time or temperature. "i" models denote internal calibration models.
Display	Backlit LCD with dual digits (24 mm high) and capacity tracker
Power supply	15 VDC, 50/60 Hz, 800 mA (Input Voltage 100-240 V, 50/60 Hz)
Operating temperature	10°C - 40°C
Housing	Die cast aluminium housing (glass weighing chamber for models with 1mg readability)
Draught shield	Supplied as standard on models with 1mg readability
Draught shield dimensions	158x158x80mm
Overall dimensions (wxdxh)	251 x 358 x 104mm
Net weight	5.5kg

Key Accessories

- Below Balance Hanger
- Density Determination Kit (mg models only)
- Anti-Vibration Table
- Security Lock and Cable
- Dust Cover
- In-use Cover
- RS-232 to USB Interface Cable (must be ordered in conjunction)
- Adam DU - Data Collection Program
- RS-232 to PC Cable
- F1 200g Calibration Weight for PGW 253e
- F1 500g Calibration Weight for PGW 603e, 753e
- 2 x F1 200g Calibration Weights for PGW 453e
- F1 100g Calibration Weight for PGW 153e
- F1 2kg Calibration Weight for PGW 2502e, 3502e, 4502e, 6002e
- F1 1kg Calibration Weight for PGW 1502e
- ATP Thermal Printer
- Thermal Paper for ATP
- RS-232 to PC Cable



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PGW-M Precision Balances



Adam Equipment PGW-M series of approved units offers the smart features for EC type approved balances. PGW-M balances are value-packed with the features needed in today's laboratory. These top-loaders use the very latest generation of software for speed and accuracy. With their simple user interface, the balances are easy to set up and operate. The product line features one of the largest displays in its class. Stylishly designed metal housing is more rugged than plastic cases. The PGW-M series offers several security features to keep your balance safe, including password protection software. A full bi-directional RS-232 communications port for transmitting data is standard.

Adam Equipment has manufactured balances and scales for nearly 40 years, providing professionals worldwide with quality products that are always the right balance of speed, performance and value.



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THE RIGHT BALANCE
Speed, Performance, Value

PGW-M Highlights:

PGW-M balances feature a backlit large-digit display for weight information, and an integrated second smaller digital display used for text prompts (in multiple languages), as well as additional information such as time and date. Stylishly designed metal housing diverts spills, and is more rugged and chemical-resistant than plastic cases. The large, stainless steel pan can be removed for easy cleaning or storage.

The PGW-M series of balances have been evaluated and certified for EC-type approval making them ideal for applications that require European approval. To prevent theft, a Kensington™-type lock and cable can be purchased as an accessory.

A full bi-directional RS-232 communications port is standard, allowing connection to a computer or printer for data transmission. Use with Adam Equipment's DU software to collect data on a PC.

EC-Type approved balances with all the features you need for your laboratory.



Applications

- Weighing
- Net / Total
- Check weighing
- Percentage weighing
- Weight accumulation
- Parts counting
- Animal / dynamic weighing
- Density determination
- Below balance weighing

Features

- Selectable digital filtering for animal/dynamic weighing
- Full-range tare
- Zero tracking
- Date and time
- Multilingual display
- Large backlit display with dual text prompts
- Capacity tracker
- Stainless steel pan
- Solid metal housing
- Non-slip adjustable leveling feet
- Lockdown mounting slot for Kensington™-type lock
- Colour-coded, sealed keypad with dual tare keys
- RS-232 bi-directional interface
- GLP printouts
- Internal motorised calibration

Technical Specifications

Model	PGW 153M	PGW 253M	PGW 453M	PGW 753M	PGW 1502M	PGW 2502M	PGW3502M	PGW 4502M
Capacity	150g	250g	450g	750g	1500g	2500g	3500g	4500g
Readability (d)	0.001g				0.01g			
Verification Value (e)	0.01g				0.1g			
Repeatability (S.D.)	0.001g				0.01g			
Linearity (+/-)	0.002g				0.02g			0.03g
Pan Size	140 x 140mm				192 x 192mm			
Draft Shield	Glass shield - 165 x 165 x 80mm				N/A			
Weighing Units	gram (g), kilogram (kg), carat (ct)							
Interface	Bi-directional RS-232 interface (standard)							
Calibration	Automatic internal							
Display	Backlit LCD display with dual digits (24mm high) and capacity tracker							
Power Supply	15VDC 800mA AC adapter							
Operating Temperature	15° - 35°C							
Housing	Die cast aluminium housing							
Overall Dimensions	251 x 358 x 104mm							
Net Weight	6kg				7.2kg			



Accessories

- No. 106007453 -Density determination kit
- No. 104008036 -Anti-Vibration table
- No. 302126013 -Below balance hanger
- No. 301200002 -In-use cover
- No. 301007078 -Dust cover
- No. 700100046 - Kensington® type lock and cable
- No. 3074010266 - RS-232 Cable
- No. 3074010507 - RS-232 to USB converter cable
- No. 600002028 - AdamDU - Data collection software
- No. 700000012 - Adam thermal printer
- No. 400005055 - Thermal printer paper

PGW M Precision Balances (EC Approved)

ADAM



Speed, Performance, Value - The Right Balance

- EC type approval
- 3 Weighing units
- Adjustable filters
- Full range tare
- Zero Tracking
- Date and time
- Large backlit display with dual text prompts
- Capacity tracker
- Large stainless steel pan
- Force restoration mechanism
- Solid metal housing
- Non-slip adjustable levelling feet
- Lock down mounting slot for Kensington® type lock
- Colour coded, sealed keypad
- Dual tare keys
- Splashproof to protect from accidental spills
- Removable draft shield supplied on 0.001g readabilities
- RS-232 bi-directional interface
- GLP print outs
- Motorised Calibration
- AC Adapter
- Prices include verification fees
- Weighing
- Net / Total
- Check weighing
- Percentage weighing
- Weight accumulation
- Parts counting
- Animal / dynamic weighing
- Density determination
- Below balance weighing



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Technical Specifications

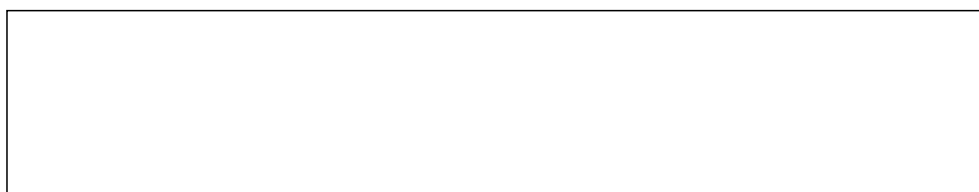
Model	PGW 153M	PGW 253M	PGW 453M	PGW 753M	PGW 1502M	PGW 2502M	PGW 3502M	PGW 4502M
Maximum capacity	150g	250g	450g	750g	1500g	2500g	3500g	4500g
Readability	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g	0.01g	0.01g
Repeatability (S.D.)	0.01g	0.01g	0.01g	0.01g	0.1g	0.1g	0.1g	0.1g
Linearity (±)	0.02g	0.02g	0.02g	0.02g	0.2g	0.2g	0.2g	0.2g
Draught shield	Supplied as standard on models with 0.001g readability				-			
Draught shield dimensions	165 x 165 x 80mm				-			
Pan size	140 x 140mm				192 x 192mm			
Net weight	6kg				7kg			

General Specifications

Units of measurement	Gram (g), Kilogram (kg), Carat (ct)
Interface	Bi-directional RS-232 (Standard)
Operating temperature	15°C - 35°C
Power supply	15 VDC, 50/60 Hz, 800 mA (Input Voltage 100-240 V, 50/60 Hz)
Calibration	Motorised Internal Calibration
Housing	Die cast aluminium housing
Overall dimensions (wxdxh)	251 x 358 x 104mm

Key Accessories

- In-use Cover
- RS-232 to PC Cable
- Adam DU - Data Collection Program
- RS-232 to USB Interface Cable (must be ordered in conjunction)
- Anti-Vibration Table
- Below Balance Hanger
- Security Lock and Cable
- Dust Cover
- Density Determination Kit (mg models only)
- ATP Thermal Printer
- Thermal Paper for ATP



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PGL Precision Balances



PGL balances combine the solid construction and fundamental features of a high-precision top loading balance with the versatility of a portable balance. A full-metal die cast housing, sealed front panel, and readabilities of 1mg, 10mg, and 0.1g make the PGL ideal for applications that demand both high precision and ruggedness. A built-in rechargeable battery and AC adapter/charger allow you to take your PGL balance anywhere, even out to the field.

With over 40 years of experience in the production of weighing instruments you can trust Adam for quality products that offer a range of features designed for a variety of applications.



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THE RIGHT BALANCE
Speed, Performance, Value

PGL Highlights:

The large backlit display with capacity tracker is easy to read and shows you how much weighing range is left when using the tare function, ensuring that you do not overload the balance.

Navigating the built in applications and weighing modes is easy with the intuitively designed keypad. Access to the main functions is quick and a special lock out feature allows the supervisor to set up access to all or certain functions so users do not inadvertently change the settings.

Communications are easy with the built in bidirectional RS-232 interface. The PGL series works with our AdamDU data collection software or alternatively interface with computers or printers.

From 1mg to 0.1g the PGL offers higher capacity for laboratory and materials testing applications.

Features

- RS-232 interface
- AC power or rechargeable battery operation
- 8 weighing units including one custom unit
- Below balance weighing
- All metal construction
- Backlit LCD display with capacity tracker
- Stainless steel platform

Applications

- Weighing
- Parts counting
- Percent weighing
- Check weighing
- Density calculation



RS-232 Interface, security slot and level



Large backlit display



Stainless steel pan

Technical Specifications

Model	PGL 203	PGL 303	PGL 2002	PGL 3002	PGL 4001	PGL 6001	PGL 8001	PGL 10001	PGL 20001	PGL 30001
Capacity	200g	300g	2000g	3000g	4000g	6000g	8000g	10kg	20kg	30kg
Readability	0.001g	0.001g	0.01g	0.01g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g
Repeatability (S.D.)	0.002g	0.003g	0.02g	0.03g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2g
Linearity (+/-)	0.004g	0.006g	0.04g	0.06g	0.4g	0.4g	0.4g	0.4g	0.4g	0.4g
Pan Size	145x125mm		192x192mm				400x300mm			
Weighing Units	g/mg/ct/GN/N/ozt/dwt/oz/custom		g/kg/ct/GN/N/ozt/dwt/oz/custom		g/kg/ct/GN/N/lb/oz/lb:oz/custom					
Stabilisation Time	2 Secs									
Interface	Bi-directional RS-232 interface									
Calibration	Automatic External									
Display	Backlit LCD display with dual digits and capacity tracker									
Power Supply	AC adapter and rechargeable battery pack (both included)									
Operating Temperature	0° - 40°C									
Housing	Metal die cast housing									
Overall Dimensions	251x358x104mm - (PGL 203, 303, 2002, 3002, 4001, 6001 & 8001)						455x400x95mm - (PGL 10001, 20001, 30001)			
Net Weight	4kg - (PGL 203, 303, 2002, 3002, 4001, 6001 & 8001)						7.3kg - (PGL 10001, 20001 30001)			

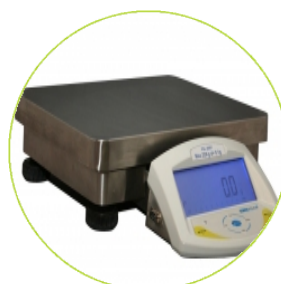
Accessories

- Density determination kit
- Anti-Vibration table
- Below balance hanger
- In-use cover
- Kensington® type lock and cable
- RS-232 Cable
- RS-232 to USB converter cable
- AdamDU - Data collection software
- Adam printer
- Printer paper



Speed, Performance, Value - The Right Balance

- Up to 12 Weighing units (including one custom unit)
- Date and time
- Full range tare
- Zero Tracking
- Multilingual display
- Large backlit display with dual text prompts
- Capacity tracker
- Large stainless steel pan
- Solid metal housing
- Overload protection
- Lock down mounting slot for Kensington® type lock and cable
- Non-slip adjustable levelling feet
- Colour coded, sealed keypad
- Dual tare keys
- Removable draft shield supplied on 0.001g readabilities
- Modern low profile design
- RS-232 bi-directional interface
- GLP print outs
- External calibration
- Rechargeable battery
- DC Adapter
- Auto sleep / power down function to save battery life
- Dust Cover not available on PGL10001, PGL20001 and PGL30001
- Weighing
- Parts counting
- Percentage weighing
- Check weighing
- Density determination
- Below balance weighing



Technical Specifications

Model	PGL 203	PGL 303	PGL 2002	PGL 3002	PGL 4001	PGL 6001	PGL 8001	PGL 1000 1	PGL 1200 1	PGL 1500 1	PGL 2000 1	PGL 3000 1
Maximum capacity	200g	300g	2000 g	3000 g	4000 g	6000 g	8000 g	10kg	12kg	15kg	20kg	30kg
Readability	0.001 g	0.001 g	0.01g	0.01g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g
Repeatability (S.D.)	0.002 g	0.003 g	0.02g	0.03g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2g	0.2
Linearity (±)	0.004 g	0.006 g	0.04g	0.06g	0.2g	0.2g	0.2g	0.4g	0.4g	0.4g	0.4g	0.4g
Units of measurement	Gram (g), Kilogram (kg), Milligram (mg), Carat (ct), Pound (lb), Ounce (Oz), Pound-Ounce (lb-oz), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Newton (N), Custom unit											-
Pan size	145 x 125mm		192 x 192mm					400 x 300mm	192 x 192mm		400 x 300mm	400 x 300mm
Net weight	4kg							7.3kg	4kg		7.3kg	

General Specifications

Typical stabilisation time	2-3 Sec
Operating temperature	0°C 40°C
Power supply	12VDC 800mA AC adaptor and rechargeable battery pack
Calibration	Automatic External
Display	Backlit LCD display with dual digits and capacity tracker
Overall dimensions (wxdxh)	251 x 358 x 104mm
Dimensions notes	400 x 460 x 100mm (PGL10001 & PGL20001)

Key Accessories

- F1 5kg Calibration Weight for PGL 15001
- Density Determination Kit (mg models only)
- RS-232 to USB Interface Cable (must be ordered in conjunction)
- Security Lock and Cable
- Anti-Vibration Table
- Below Balance Hanger
- In-use Cover
- Dust Cover
- Adam DU - Data Collection Program
- RS-232 to PC Cable
- F1 1kg Calibration Weight for PGL 3002
- F1 1kg Calibration Weight for PGL 2002
- F1 200g Calibration Weight for PGL 303
- F1 2kg Calibration Weight for PGL 4001
- 2 x F1 5kg Calibration Weights for PGL 20001 & PGL 30001
- F1 200g Calibration Weight for PGL 203
- F1 5kg Calibration Weight for PGL 10001
- F1 5kg Calibration Weight for PGL 8001
- F1 5kg Calibration Weight for PGL 6001
- F1 5kg Calibration Weight for PGL 12001
- ATP Thermal Printer
- Thermal Paper for ATP



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Highland Portable Precision Balances



Adam Equipment's Highland balances have what it takes for lab work, field use, and various education and industrial applications. They feature multiple weighing units, RS-232 and USB interfaces, rechargeable battery pack and AC operation, capacity tracker, adjustable feet and level, lock down and more. Density and specific gravity determination are easy with the below balance weighing feature, and the removable draft shield eliminates wind disturbances outdoors or in drafty environments. ShockProtect™ overload protection keeps the performance of the Highland safe and secure, and the HandiCal™ internal calibration weight provides reliable readings time after time. With built in applications for parts counting, percentage weighing and totalization / accumulation, Highland balances are packed full of useful features.

Adam Equipment has been manufacturing balances and scales for over 35 years, providing professionals worldwide with quality products that are always the perfect balance of speed, performance, and value.



AE ADAM[®]
THE RIGHT BALANCE
Speed, Performance, Value

HCB Highlights:

HandiCal™ internal calibration with built in mass can be locked so only you calibrate the balance when you want to. The built in weight allows for quick and easy calibrations allowing you more time for weighing tasks.

Built in security slot accommodates a standard Kensington™ type lock and cable to keep your balance where you want it.

Three-point ShockProtect™ protection designed for the ultimate in performance reliability. With ShockProtect™ your balance can with stand up to 200kg of weight without damaging the weighing mechanism.

Both USB and RS-232 interfaces give you complete communication flexibility.



Smart housing design lets you safely stack Highland balance on top of each other for convenient storage and transportation.

Highland HCB balances are complete with all the features and accessories at a price that's right.

Features

- RS-232 and USB interfaces
- Can be stacked for storage and transportation
- ShockProtect™ overload protection
- Audible overload indicator
- HandiCal™ internal calibration for fast and accurate readings
- Lock down mounting slot for Kensington™ type lock and cable
- Dual tare keys, colour coded for easy recognition
- Internal rechargeable battery with auto power off and low-battery indicator
- Capacity tracker
- Removable draft shield

Applications

- Weighing
- Percentage weighing
- Parts Counting
- Totalisation / Accumulation



Backlit display

Bright backlit display with capacity tracker to clearly show readings.



USB & RS-232 interface

Both a USB and RS-232 bidirectional interface included for easy connection to computers and printers.



ShockProtect™ protection

Unique patented protection helps safeguard the balance from overloads.

Technical Specifications

Model	HCB 123	HCB 153	HCB 302	HCB 602H	HCB 602	HCB 1002	HCB 1502	HCB 3001
Capacity	120g	150g	300g	600g	600g	1000g	1500g	3000g
Readability	0.001g	0.005g	0.01g	0.01g	0.02g	0.01g	0.05g	0.1g
Repeatability (S.D.)	0.003g	0.01g	0.02g	0.02g	0.04g	0.02g	0.1g	0.2g
Linearity (+/-)	0.003g	0.01g	0.02g	0.02g	0.04g	0.02g	0.1g	0.2g
Pan Size	120mm ø							
Weighing Units	g, ct, lb, oz, d, GN, ozt, dwt, MM, TI.T, TL.C, TL.t, t, N, g2							
Stabilisation Time	2 seconds							
Interface	RS-232 and USB (both included)							
Calibration	Automatic external and internal HandiCal calibration							
Display	Backlit LCD with 6 - 16mm high digits and capacity tracker							
Power Supply	12VDC 800mA adapter and internal rechargeable battery							
Operating Temperature	0°C - 40°C							
Housing	ABS plastic with stainless steel platform							
Draft shield dimensions	132mm ø x 100mm high							
Overall Dimensions	170 x 245 x 80mm							
Net Weight	2kg							

Accessories

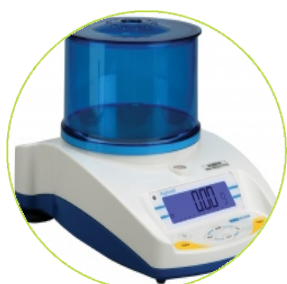
- In-use cover
- Hard carry case
- Kensington™ type lock and cable
- Thermal printer
- Replacement paper - pack of 5 rolls
- AdamDU Data Collection Software
- RS-232 cable
- USB cable

Highland™ Portable Precision Balances



Speed, Performance, Value - The Right Balance

- 15 weighing units
- Zero Tracking
- Backlit LCD display
- Capacity tracker
- ShockProtect™ overload three-point protection
- Can be stacked for storage (120mm pan size only)
- Lock down mounting slot for Kensington® type lock
- Removable draught shield (120mm pan size only)
- Stainless steel pan
- Non-slip adjustable levelling feet
- Below balance weighing with hanger
- Colour coded, sealed keypad
- Dual tare keys
- RS-232 and USB interface
- Handical™ manual internal calibration with built-in mass
- Auto power off
- Low battery indication
- DC Adapter
- Weighing
- Percentage weighing
- Parts counting
- Below balance weighing
- Weight accumulation



Technical Specifications

Model	HCB 123	HCB 153	HCB 302	HCB 602H	HCB 602	HCB 1002	HCB 1502	HCB 3001
Maximum capacity	120g	150g	300g	600g	600g	1000g	1500g	3000g
Readability	0.001g	0.005g	0.01g	0.01g	0.02g	0.01g	0.05g	0.1g
Repeatability (S.D.)	0.003g	0.005g	0.01g	0.1g	0.02g	0.02g	0.05g	0.1g
Linearity (±)	0.003g	0.01g	0.02g	0.02g	0.04g	0.02g	0.1g	0.2g
Pan size	120mm & Oslash;							

General Specifications

Typical stabilisation time	2 Sec
Units of measurement	Gram (g), Carat (ct), Pound (lb), Ounce (Oz), Dram (d), Grain (GN), Troy Ounce (Ozt), Pennyweight (dWt), Momme (MM), Taels S. (TL.S), Taels T. (TL.T), Taels Hk. (TL.H), Taels T. (TL.T), Newton (N)
Operating temperature	0°C 40°C
Power supply	12VDC 800mA AC adaptor/rechargeable battery pack
Draught shield	Removable draft shield standard on all models
Draught shield dimensions	132mm
Overall dimensions (wxdxh)	170 x 245 x 80mm
Net weight	2kg

Key Accessories

- In-use Cover
- USB Cable
- RS-232 to PC Cable
- Hard Carry Case with Lock
- Security Lock and Cable
- Adam DU - Data Collection Program
- In-Use Cover pack of 5
- In-Use Cover pack of 10
- F1 200g Calibration Weight for HCB 302
- F1 1kg Calibration Weight for HCB 1002
- F1 100g Calibration Weight for HCB 153
- F1 100g Calibration Weight for HCB 123
- F1 2kg Calibration Weight for HCB 3001
- F1 1kg Calibration Weight for HCB 1502
- F1 200g Calibration Weight for HCB 602
- F1 200g Calibration Weight for HCB 602H
- ATP Thermal Printer
- Thermal Paper for ATP



Adam Equipment - offices worldwide

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