

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 right balance of speed, performance and value.



ADAM

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.

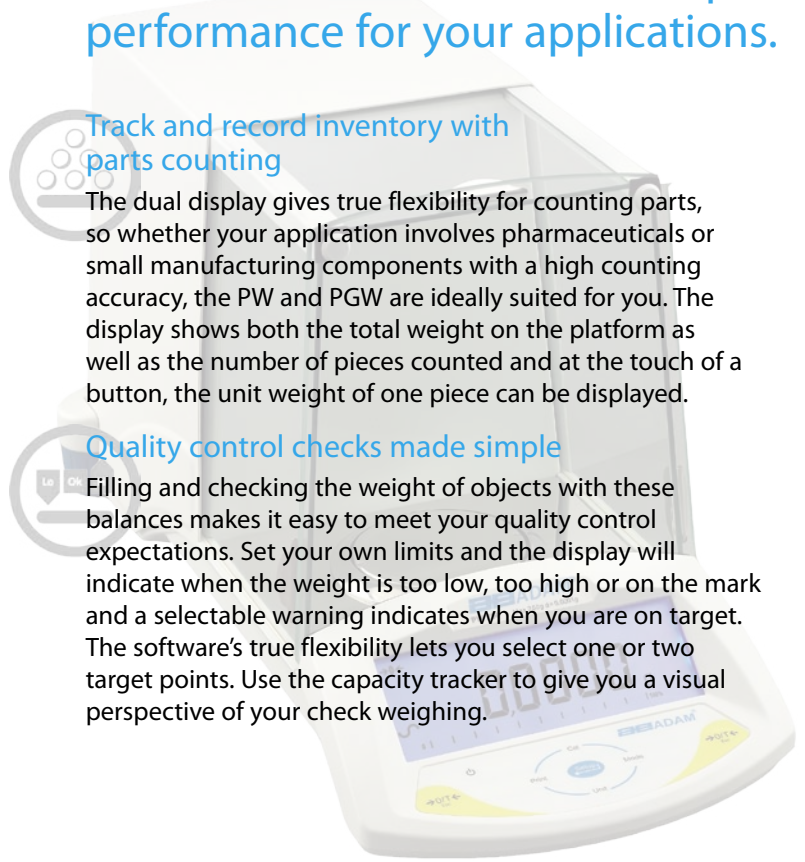
The PW and PGW balances are packed performance for your applications.

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.



THE RIGHT BALANCE

Speed, Performance, Value



FEATURES AT A GLANCE

RS-232 AND ADDITIONAL INTERFACE STANDARD allows data transfer and communication to printers and computers; you can even use the RS-232 port to upgrade your software through our unique customer support facility. An additional interface gives even more flexibility

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



with valuable features, delivering speed and

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.

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.



Below
Balance
Weighing

RS-232



RS-232
Interface



External
Calibration



Internal
Calibration



Backlit
Display



Security
Bracket



GLP/ISO
Printouts



Time / Date

DIGITAL FILTERS

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

DESIGNED FOR A WIDE RANGE OF APPLICATIONS including parts counting, check and percentage weighing, net/total, animal/dynamic weighing and density determination

INCLUDES UP TO 18 WEIGHING UNITS you can even customise a unit to suit your favourite application

BACKLIT LCD DISPLAY WITH DUAL DISPLAY READ OUTS makes your weighing even quicker and easier

MONITORS CAPACITY LIMITS TO PREVENT OVERLOAD capacity tracker clearly indicates remaining weighing capacity, also used as an indicator for check weighing

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

PW Technical Specifications

Model	PW 124	PW 184	PW 254
Capacity	120 g	180 g	250 g
Readability	0.0001 g	0.0001 g	0.0001 g
Repeatability (S.D.)	0.0001 g	0.0001 g	0.0001 g
Linearity (+/-)	0.0002 g	0.0002 g	0.0002 g
Pan size	Ø 90 mm		
Weighing units	g, ct, mg, GN, N, dr, oz, ozt, dwt, mm, tl T, tl H, tl S, T, ti, custom		
Draft shield (w x d x h)	202 mm x 158 mm x 215 mm		
Dimensions (w x d x h)	256 mm x 524 mm x 275 mm		
Net weight	12 kg		
Calibration	Internal calibration with selection for automatic calibration due to change in time or temperature. External calibration verification		

PGW Technical Specifications

Model with external calibration	PGW 153e	PGW 253e	PGW 453e	PGW 753e	PGW 1502e	PGW 2502e	PGW 3502e	PGW 4502e
Model with internal calibration	PGW 153i	PGW 253i	PGW 453i	PGW 753i	PGW 1502i	PGW 2502i	PGW 3502i	PGW 4502i
Capacity	150 g	250 g	450 g	750 g	1500 g	2500 g	3500 g	4500 g
Readability	0.001 g	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.01 g
Repeatability (S.D.)	0.001 g	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.01 g
Linearity (+/-)	0.002 g	0.002 g	0.002 g	0.002 g	0.02 g	0.02 g	0.02 g	0.02 g
Weighing units	g, ct, mg, Kg, GN, N, dr, oz, Lb, ozt, dwt, mm, tl T, tl H, tl S, T, ti, custom				g, ct, Kg, GN, N, dr, oz, Lb, ozt, dwt, mm, tl T, tl H, tl S, T, ti, custom			
Pan size	140 mm x 140 mm				192 mm x 192 mm			
Draft shield (w x d x h)	158 mm x 158 mm x 80 mm				Not applicable			
Dimensions (w x d x h)	251 mm x 358 mm x 104 mm							
Net weight	5.5 kg							
Calibration	Selectable automatic calibration for changes due to time or temperature available on internal calibration models only							

General Specifications

Operating temperature	+10 °C to 40 °C
Power supply	15 VDC, 50/60 Hz, 800 mA
Housing	Die cast aluminium
Interface	Bi-directional RS-232, additional communications port
Functions (modes)	Parts counting, percentage weighing, density of solids and liquids, check weighing, animal/dynamic weighing, net/total and weighing
Warranty	3 years
Tare range	Full capacity by subtraction
Stabilisation time	Typically 2-4 seconds
Display	Backlit LCD with dual digits (24 mm high) and capacity tracker

Accessories available:

- ▣ Anti-vibration Table
- ▣ Adam Printers
- ▣ Dust Cover
- ▣ Below balance hanger
- ▣ Density Determination Kit (mg balances only)
- ▣ In-use Cover