



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 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 totalisation / accumulation, Highland balances are packed full of useful features.

***Full of features, the Highland  
is an exceptional value  
in precision weighing***



## Features

- Vivid, backlit LCD easily visible in any lighting conditions
- Programmable backlight can be set to “always on,” “always off” or “light only when weighing”
- Capacity tracker built into display for easily monitoring possible overloads
- Balances stack efficiently and safely to save space (120mm pan size only)
- Color-coded keys facilitate quick recognition of the most frequently used buttons
- Dual tare keys facilitate operation with either the left or right hand
- Level indicator and adjustable feet ensure proper balance setup for optimum weighing results
- Security slot for optional Kensington-type lock and cable to help prevent theft
- Large, grade 304 stainless steel pan allows easy cleaning
- Solid ABS housing is durable for industrial uses
- Three-point ShockProtect® feature helps prevent overload damage to internal components
- Hook included for weighing below the balance
- Internal calibration eliminates need for external weight set
- USB and RS-232 interfaces provide speedy communication with computers and printers
- Audible overload alarm warns when capacity has been exceeded
- External calibration allows for verification and adjustment with weights
- Selectable digital filtering helps minimize effects of vibration and disturbances
- Parts counting with preset sample sizes
- Memory accumulation totals results
- Zero-tracking feature ensures display returns to zero reading
- AC adapter included
- Rechargeable battery included for operation almost anywhere
- Programmable auto power-off to save energy

## Applications

- Weighing
- Parts counting
- Percentage weighing
- Accumulation of weight

### About ADAM:

For nearly 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                         | HCB 123                                                     | HCB 153 | HCB 302 | HCB 602 | HCB 602H | HCB 1002 | HCB 1502 | HCB 2202 | HCB 3001 | HCB 6001         |
|-------------------------------|-------------------------------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|------------------|
| Capacity                      | 120g                                                        | 150g    | 300g    | 600g    | 600g     | 1000g    | 1500g    | 2200g    | 3000g    | 6000g            |
| Readability                   | 0.001g                                                      | 0.005g  | 0.01g   | 0.02g   | 0.01g    | 0.01g    | 0.05g    | 0.01g    | 0.1g     | 0.1g             |
| Repeatability (S.D.)          | 0.0008g                                                     | 0.005g  | 0.008g  | 0.01g   | 0.01g    | 0.01g    | 0.05g    | 0.01g    | 0.05g    | 0.05g            |
| Linearity (+/-)               | 0.003g                                                      | 0.01g   | 0.02g   | 0.02g   | 0.02g    | 0.02g    | 0.1g     | 0.03g    | 0.2g     | 0.2g             |
| Minimum Weight (USP, typical) | 0.02g                                                       | 0.02g   | 0.02g   | 1g      | 0.5g     | 0.5g     | 1g       | 0.5g     | 20g      | 20g              |
| Pan Size                      | 4.7" ø / 120mm ø                                            |         |         |         |          |          |          |          |          | 5.7" ø / 145mm ø |
| Weighing Units                | g, lb, oz, N, GN, ct, dr, dwt ,mm, ozt, T, tl.H, tl.S, tl.T |         |         |         |          |          |          |          |          |                  |
| Stabilization Time (sec)      | 3                                                           | 2       | 3       | 2       |          |          |          | 3        | 2        |                  |
| Interface                     | RS-232 / USB                                                |         |         |         |          |          |          |          |          |                  |
| Calibration                   | External calibration / Internal manual calibration          |         |         |         |          |          |          |          |          |                  |
| Display                       | Backlit LCD with 0.7" / 18mm high digits                    |         |         |         |          |          |          |          |          |                  |
| Power Supply                  | 12VDC 800mA adapter / Internal rechargeable battery         |         |         |         |          |          |          |          |          |                  |
| Operating Temperature         | 32° a 104° F / 0° to 40°C                                   |         |         |         |          |          |          |          |          |                  |
| Housing                       | ABS plastic                                                 |         |         |         |          |          |          |          |          |                  |
| Draught Shield                | 5.2" ø x 3.5" / 132mm ø x 90mm                              |         |         |         |          |          |          |          |          | N/A              |
| Overall Dimensions (WxDxH)    | 6.9"x9.9"x3.1" / 174x252x80mm                               |         |         |         |          |          |          |          |          |                  |
| Net Weight                    | 4.4lb / 2kg                                                 |         |         |         |          |          |          |          |          |                  |

## Accessories

### Item number.....Description

308002042 .....Hard carrying case with lock for CQT/HCB  
 308232034 .....In-use cover (pack of 5)  
 308232035 .....In-use cover (pack of 10)  
 308232030 .....In-use cover  
 1120011156 .....ATP thermal printer  
 3126011263 .....ATP thermal printer paper  
 3126011281 .....ATP thermal printer paper (pack of 10)  
 700400103 .....RS-232 cable  
 700100046 .....Kensington-type lock and cable  
 600002028 .....Adam DU data collection program  
 3074010267 .....USB cable  
 700660290 .....Calibration certificate  
 700100007 .....F1 100g Calibration Weight  
 700100012 .....F1 200g Calibration Weight  
 700100009 .....F1 1kg Calibration Weight  
 700100010 .....F1 2kg Calibration Weight

## Key Accessories



### ATP Thermal Printer

Easy-to-use features combined with quick set-up equals a truly versatile thermal printer. A single push-button feed key and three easy-to-read LED indicators make operation simple.



### Kensington® Cable Lock

The security lock and cable fits the built-in lock attachment on balances and scales, and loops around an object to secure your balance in place. The flexible steel cable is difficult to cut, and the combination lock allows users to choose a combination number for added security.



### Adam DU Software

Adam DU software connects a balance to the laboratory network, helping to achieve seamless data collection, transfer and analysis. DU features an easy-to-use interface with a main command window, allowing users to quickly collect information from up to eight Adam balances simultaneously using RS-232 or USB connections.

Supplied by

[www.adamequipment.com](http://www.adamequipment.com)

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