

# Highland Portable Precision Balances



Adam Equipment's Highland balances have what it takes for lab work, field use, and various 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**  
PERFECT 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, color 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
- Totalization / 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	4.7" / 120mm ø							
Weighing Units	g, ct, lb, oz, d, GN, ozt, dwt, MM, T.I.T, T.L.C, T.L.t, t, N, g2							
Stabilization Time	2 seconds							
Interface	RS-232 and USB (both included)							
Calibration	Automatic external and internal HandiCal calibration							
Display	Backlit LCD with 6 - 0.6" / 16mm high digits and capacity tracker							
Power Supply	12VDC 800mA adapter and internal rechargeable battery							
Operating Temperature	32°F - 104°F / 0°C - 40°C							
Housing	ABS plastic with stainless steel platform							
Draft shield dimensions	5.2" ø x 3.9" high / 132mm ø x 100mm high							
Overall Dimensions	6.7" x 9.6" x 3.1" / 170 x 245 x 80mm							
Net Weight	4.4lb / 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