

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

www.adamequipment.com

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

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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