



With NTEP approval, Highland approved balances are suitable for use in labs or numerous commercial operations. Highland contains practical features that simplify lab work; bioscience research; pharmaceutical testing; jewelry measurement; or any legal-for-trade weighing application. The Highland approved balance is powered by AC adapter or rechargeable battery, so it operates in settings where electricity is not readily available. A built-in security slot for a Kensington-type lock and cable helps keep the balance safe. Other features include multiple weighing units; RS-232 and USB interfaces; and capacity tracker.

The NTEP-approved Highland balance meets Class II requirements in legal-for-trade applications.



NTEP Approved



## 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 operate 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 swift cleaning
- Solid ABS housing is durable for industrial use
- Three-point ShockProtect<sup>®</sup> feature helps prevent overload damage to internal components
- Hook included for weighing below the balance
- USB and RS-232 interfaces provide speedy communication with computers and printers
- Audible overload alarm warns when capacity is exceeded
- 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
- EC type and OIML approved
- AC adapter included
- Rechargeable battery included for operation almost anywhere
- Programmable auto power-off to save energy

## Applications

- Weighing
- Parts counting
- Percentage weighing
- Accumulation

| Model                           | HCB 103aM   | HCB 302aM       | HCB 602aM      | HCB 1202aM     | HCB 3001aM    | HCB 5001aM    |
|---------------------------------|---|-----------------|----------------|----------------|---------------|---------------|
| <b>Capacity</b>                 | 100g  | 300g            | 600g           | 1200g          | 3000g         | 5000g         |
| <b>Readability</b>              | d=0.001g e=0.01g                                    | d=0.05g e=0.05g | d=0.01g e=0.1g | d=0.01g e=0.1g | d=0.5g e=0.5g | d=0.5g e=0.5g |
| <b>Repeatability (S.D.)</b>     | 0.002g  | 0.1g            | 0.02g          | 0.02g          | 1g            | 1g            |
| <b>Linearity (+/-)</b>          | 0.003g  | 0.1g            | 0.02g          | 0.02g          | 1g            | 1g            |
| <b>Pan Size</b>                 | 4.7" ø / 120mm ø                                    |                 |                |                |               |               |
| <b>Weighing Units</b>           | g, ct, kg, lb, oz, ozt, GN                          |                 |                |                |               |               |
| <b>Stabilization Time (sec)</b> | 2   |                 |                |                |               |               |
| <b>Interface</b>                | RS-232, USB   |                 |                |                |               |               |
| <b>Calibration</b>              | N/A   |                 |                |                |               |               |
| <b>Display</b>                  | Backlit LCD with 0.7"/ 18mm -high digits            |                 |                |                |               |               |
| <b>Power Supply</b>             | 12VDC 800mA adapter / Internal rechargeable battery |                 |                |                |               |               |
| <b>Operating Temperature</b>    | 15° to 35°C / 59° to 95°F                           |                 |                |                |               |               |
| <b>Housing</b>                  | ABS plastic   |                 |                |                |               |               |
| <b>Draft Shield</b>             | Round 5.2" ø x 3.5" / 132mm ø x 90mm                |                 |                |                |               |               |
| <b>Overall Dim.</b>             | 6.9"x9.9"x3.1" / 174x252x80mm (wxdxh)               |                 |                |                |               |               |
| <b>Net Weight</b>               | 4.4lb / 2kg   |                 |                |                |               |               |
| <b>Approvals</b>                | NTEP 18-004   |                 |                |                |               |               |

## Accessories

| Item number | Description                            |
|-------------|--|
| 308002042   | Hard carrying case with lock           |
| 308232034   | In-use wet cover (pack of 5)           |
| 308232035   | In-use wet cover (pack of 10)          |
| 308232030   | In-use wet cover                       |
| 3074010267  | USB cable                              |
| 700400103   | RS-232 cable                           |
| 1120011156  | ATP thermal printer                    |
| 3126011263  | ATP thermal printer paper              |
| 3126011281  | ATP thermal printer paper (pack of 10) |
| 700100046   | Kensington-type lock and cable         |
| 600002028   | AdamDU Data Collection Program         |
| 700660290   | Calibration certificate                |
| 700100195   | ASTM 3 - 200g                          |
| 700100190   | ASTM 2 - 1000g                         |
| 700100187   | ASTM 2 - 100g                          |
| 700100192   | ASTM 4 - 2000g                         |

## 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