Highland® Approved Precision Balances

ADAM®

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® 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

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

Accessories

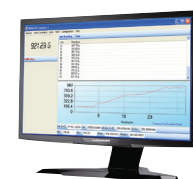| Item number	Description
308002042	Hard carrying case with lock
308232034	In-use wet cover (pack of 5)
308232035	In-use wet cover (pack of 10)
308232030	In-use wet cover
3074010267	USB cable
700400103	RS-232 cable
1120011156	ATP thermal printer
3126011263	ATP thermal printer paper
3126011281	ATP thermal 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