HV-C/CP & HW-C/CP SERIES
Bench Scales

High Performance Scales for Any Application

A&D Weighing

BENCH SCALES

Weighing for a Wide Variety of Applications

The HV/HW-C/CP scale family is designed to integrate easily into your weighing process. It offers a broad range of solutions for your checkweighing, parts counting or quality assurance applications. Raise your throughput, increase process security and improve your product and delivered quality.

Secure Compliance

Feel secure in your weighing process with built-in key lock function to prevent any unwanted changes and seamless data capture with available built-in printer. You can meet NTEP and Measurement Canada requirements with the HV-C and HV-CP models.

Increased Throughput

Speed up your weighing process with 1-second stabilization and a wide selection of accessories and connectivity options. Control the scale, change settings and output data via USB or RS-232C. Comparator lights reduce operator fatigue and errors.

Improved Ergonomics

Large backlit terminal is visible even in dimly lit areas. Avoid neck and back strain with adjustable terminal head or with optional remote display and wall-mount bracket. Rollers make weighing heavy or large containers in production lines smoother and quicker.

Performance and Features to Improve Your Weighing Operations

Reliable Counting & Portioning

Fast and efficient portioning and filling with Auto-Tare, which automatically tares the scale when the weight reaches a pre-set range. Combined with our Negative Checkweighing feature, you can now easily move parts from a master carton on the scale to containers on a production line.

Robust & Dependable

IP65 rated base along with stainless steel weigh pan (SUS430) allow for wet weighing and is easy to keep clean and hygienic.

All HV/W-C models can be easily moved and placed to best fit your process. They operate anywhere off of four standard D batteries.

Traffic-light style LED with 3,5,7 settings to ensure accurate checkweighing

1” high characters with bright white backlight

HV-C & HW-C models operate on 4 D batteries or AC adapter

3 trade-legal triple-range capacities and 4 high resolution models. CP models include built-in printer

Accumulation function to display total of separate weighing results

HV-CP and HW-CP models have built-in printer for generating on-the-spot records

TARE values to scale’s full capacity

10-digit alphanumeric keypad simplifies setting comparator limits

Choose the Right Model for Your Application

	HV-C	HV-CP	HW-C	HW-CP
High-Speed Measurement	1 Second	1 Second	1.5 Seconds	1.5 Seconds
Built-in Printer		X		X
Battery Operation	X		X	
GLP/GMP		X		X
LED Comparator Lights	X	X	X	X
Auto-Tare	X	X	X	X
Negative Checkweighing	X	X	X	X
Legal for Trade	X	X		
RS-232 Option HVW-03C	X	X	X	X
USB Option HVW-02CB	X	X	X	X

Specifications

		HV-15KC HV-15KCP	HV-60KC HV-60KCP	HV-200KC HV-200KCP	HW-10KC HW-10KCP	HW-60KC HW-60KCP	HW-100KC HW-100KCP	HW-200KC HW-200KCP
kg	Capacity*i	3 / 6 / 15	15 / 30 / 60	60 / 150 / 220	10	60	100	220
	Min. display*i	0.001 / 0.002 / 0.005	0.005 / 0.01 / 0.02	0.02 / 0.05 / 0.1	0.001	0.005	0.01	0.02
lb	Capacity*i	6 / 15 / 30	30 / 60 / 150	150 / 300 / 500	20	150	200	500
	Min. display*i	0.002 / 0.005 / 0.01	0.01 / 0.02 / 0.05	0.05 / 0.1 / 0.2	0.002	0.01	0.02	0.05
oz	Capacity*i	96 / 240 / 480	480 / 960 / 2400	2400 / 4800 / 8000	320	2400	3200	8000
	Min. display*i	0.05 / 0.1 / 0.2	0.2 / 0.5 / 1	1 / 2 / 5	0.05	0.2	0.5	1
Counting mode	Max. countable number	150,000	120,000	110,000	100,000	120,00	100,000	110,000
	Number of samples	5, 10, 20, 50 or 100						
Stabilization time*ii		Within 1 second			Within 1.5 seconds			
Repeatability (std. deviation) [kg]		0.001 / 0.002 / 0.005	0.005 / 0.01 / 0.02	0.02 / 0.05 / 0.1	0.002	0.01	0.02	0.04
Linearity [kg]		±0.001 / ±0.002 / ±0.005	±0.005 / ±0.01 / ±0.02	±0.02 / ±0.05 / ±0.1	±0.002	±0.01	±0.02	±0.04
Sensitivity drift		±20 ppm / ˚C (5 ˚C to 35 ˚C / 41 ˚F to 95 ˚F)						
Display		7 segment LCD (Character height: 25 mm) with backlight; 3-color, 5-step LED comparator lights						
Display update		10 times / second						
Operating temperature		–10 ˚C to 40 ˚C / 14 ˚F to 104 ˚F, 85% R.H. or less (no condensation)						
Power supply	HV/W-C series	AC adapter or four D batteries (approx. 1200 hours using alkaline batteries, with display backlight and LED comparator lights OFF						
	HV/W-CP series	AC adapter						
Weighing pan size		250 × 250 mm 9.8 × 9.8 in	330 × 424 mm 13.0 × 16.7 in	390 × 530 mm 15.4 × 20.9 in	250 × 250 mm 9.8 × 9.8 in	330 × 424 mm 13.0 × 16.7 in	390 × 530 mm 15.4 × 20.9 in	
Dimensions (W × D × H)		275 × 474 × 368 mm 10.8 × 18.7 × 14.5 in	330 × 621 × 771 mm 13.0 × 24.5 × 30.4 in	390 × 712 × 773 mm 15.4 × 28.0 × 30.4 in	275 × 474 × 368 mm 10.8 × 18.7 × 14.5 in	330 × 621 × 771 mm 13.0 × 24.5 × 30.4 in	390 × 712 × 773 mm 15.4 × 28.0 × 30.4 in	
Weight (approx.)	HV/W-C series	6 kg / 13 lb	11 kg / 24 lb	17 kg / 37 lb	6 kg / 13 lb	11 kg / 24 lb	17 kg / 37 lb	
	HV/W-CP series	7 kg / 15 lb	12 kg / 26 lb	18 kg / 40 lb	7 kg / 15 lb	12 kg / 26 lb	18 kg / 40 lb	

*i Multi-interval: For HV-C and HV-CP, the multi-interval function means the lighter the target object is, the finer the readability becomes.
*ii Time required for the last digit to settle (the stabilization mark will be lit one second after), which is subject to the weighing environment, response characteristic setting and how the target object is placed.

Options

HVW-02CB	USB interface (bi-directional, type-B)
HVW-03C	RS-232C interface (D-Sub 9P Male)
HVW-04C	Comparator relay output/buzzer/contact input interface
HVW-08C	Extension cable (5 m)*iii
HVW-11C	Wall-mount bracket
HVW-13	Large roller conveyor (for the 100 to 200 kg capacity models)
HVW-14	Medium-size roller conveyor (for the 60 kg capacity models)

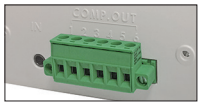
*iii Recalibration is required after connecting the extension cable.

Accessories

AD-8127	Compact printer
AD-8526	Serial/Ethernet converter
AD-8920A	Remote display
AD-8922A	Remote controller
AX-PP147-S	Paper for the built-in printer (5 rolls)
AX-SW128	Foot switch

HVW-02CB

HVW-03C



HVW-04C

Key Features

External Calibration

LCD Display with Backlight

GLP/GMP/ISO Compliant

Piece Counting

Accumulation Function

Comparator Function

Auto Power ON Function

Auto Power OFF Function

Battery Operation (HV/W-CP)

IP65 Dust & Waterproof (Platform Only)

Optional

USB

RS-232

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2 YEAR A&D Weighing WARRANTY

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