Waterproof Platform Scales

HV-CWP

Series

Weighing at the Speed of Lights in tough environments

ISO 9000 CERTIFIED

Discover Precision

www.andaustralasia.com.au
How to Reduce Waste and Increase Productivity

The A&D HV-CWP series is a multi-functional platform scale designed for measurement under wet conditions. With a durable construction, high-speed response times and exceptional check weighing capabilities, it can meet the demands of even the most challenging industrial applications.

**IP65 dust & waterproof**\(^*1\) with stainless steel (SUS304) surface

Downtime and loss is reduced as scales without waterproofing often result in being damaged within a short period of time. Additionally, these features allow you to keep the scale clean and hygienic.

\(^*1\) Permits no ingress of dust and withstands water jetting from any direction.

**High-speed measurement—response in 1 second or less (typical for the HV-CWP series)**\(^*2\)

Fast-paced weighing is an essential prerequisite for streamlining operations.

\(^*2\) Time required for the last digit to settle (the stabilization mark will be lit one second after).

**Bright and multi-colored 5-step LED comparator lights**

With highly intuitive comparator lights, check weighing (judging whether the measured weight is within the designated limits) becomes far more accurate and efficient than with a numeric display alone, leading to a significant cost savings.

**Auto-tare and negative comparison functions**

The scale can perform tare automatically when the weight reaches the set target range. Additionally, negative values can be used as comparator limits. With these functions combined, you can perform "take-away" check weighing, that is, removing a target amount repeatedly from its container with no key press.

**LCD display (26 mm character height) with white backlight**

Do not underestimate the effect of display visibility on operators' work efficiency, fatigue and tendency to make errors, especially in areas where illumination is not sufficient.
**Quick and easy settings using the alphanumeric keypad**
Direct alphanumeric input makes it simple and straightforward to enter/re-enter preset tare values, comparator limits, calibration values and various internal settings.

**Key lock function**
You can inhibit the use of certain keys to prevent operators from making unwanted changes to the scale settings.

**Optional roller conveyers**
Large and medium-size roller conveyers (H/VW-13 and HWV-14 respectively) can make measurements of heavy objects in conveyer systems smoother and quicker.

**Wide selection of capacities and resolutions**
Select a scale that best suits your purpose and budget from either HV-CWP series of three multi-interval* 3 models (see the specifications for details).

*3 The lighter the target object, the finer the readability.

**Two slots for optional data communication interfaces**
One is for a comparator relay output/buzzer interface (HVW-04CWP), which enables signaling check weighing results by buzzer and/or external comparator (traffic) lights. The other is for either USB interface (HVW-02BCWP)* 4 or RS-232C interface (HVW-03CWP) for outputting data, entering commands, and changing the scale settings externally. The scale is still IP65 with HVW-04CWP and/or HVW-03CWP installed.*

* 4 For communication with a PC only. The driver software can be downloaded for free.
* 5 Except if a loose-wire cable is used for connection. When HVW-02BCWP is installed, the scale is no longer dust or waterproof.

**Other Useful Features**

✔️ GMP/GLP compliant output to meet documentation requirements
✔️ Universal Flexi Coms (UFC) function that lets you edit serial data output format or printout format
✔️ Display hold function that makes it easy to read and record the display value when external disturbances can occur unexpectedly
✔️ Counting mode to count a number of small pieces of the same mass value instantly and precisely
✔️ Accumulation (M+) function to display the sum total of separate weighing results
✔️ Display angle freely adjustable to suit the convenience of individual operators
✔️ Display unit holder (AX-043005266) available to separate the display unit from the scale on a bench
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>HV-15KCWP</th>
<th>HV-60KCWP</th>
<th>HV-200KCWP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>kg</strong></td>
<td>3 / 6 / 15*1</td>
<td>15 / 30 / 60*1</td>
<td>60 / 150 / 220*1</td>
</tr>
<tr>
<td><strong>lb</strong></td>
<td>6 / 15 / 30*1</td>
<td>30 / 60 / 150*1</td>
<td>150 / 300 / 500*1</td>
</tr>
<tr>
<td><strong>oz</strong></td>
<td>96 / 240 / 480*1</td>
<td>480 / 960 / 2400*1</td>
<td>2400 / 4800 / 8000*1</td>
</tr>
<tr>
<td><strong>lb-oz</strong></td>
<td>30 lb</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Counting mode</strong></td>
<td>Max. countable number</td>
<td>150,000</td>
<td>120,000</td>
</tr>
<tr>
<td><strong>Stabilization time</strong></td>
<td>Within 1 second</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Repeatability (std. deviation) [kg]</strong></td>
<td>0.001 / 0.002 / 0.005</td>
<td>0.005 / 0.01 / 0.02</td>
<td>0.02 / 0.05 / 0.1</td>
</tr>
<tr>
<td><strong>Linearity [kg]</strong></td>
<td>±0.001 / ±0.002 / ±0.005</td>
<td>±0.005 / ±0.01 / ±0.02</td>
<td>±0.02 / ±0.05 / ±0.1</td>
</tr>
<tr>
<td><strong>Sensitivity drift</strong></td>
<td>±20 ppm / °C (5 to 35 °C / 41 to 95 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>7 segment LCD (Character height: 26 mm) with backlight</td>
<td>3-color, 5-step LED comparator lights</td>
<td></td>
</tr>
<tr>
<td><strong>Display update</strong></td>
<td>10 times / second</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating environment</strong></td>
<td>-10 °C to 40 °C / 14 °F to 104 °F, 85% R.H. or less (no condensation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>AC main (100 to 240 V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weighting pan size</strong></td>
<td>250 x 250 mm</td>
<td>330 x 424 mm</td>
<td>390 x 530 mm</td>
</tr>
<tr>
<td><strong>Dimensions (W x D x H)</strong></td>
<td>250 x 470 x 430 mm</td>
<td>330 x 616 x 752 mm</td>
<td>390 x 722 x 752 mm</td>
</tr>
<tr>
<td><strong>Weight (approx.)</strong></td>
<td>8 kg / 18 lb</td>
<td>12 kg / 26 lb</td>
<td>19 kg / 42 lb</td>
</tr>
</tbody>
</table>

*1: Multi-interval: The lighter the target object, the finer the readability.

*2: 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-02BCWP**: USB interface (bi-directional, type mini-B)
- **HVW-03CWP**: RS-232C interface (terminal block)
- **HVW-04CWP**: Comparator relay output/buzzer interface
- **HVW-13**: Large roller conveyer (for the 100 to 200 kg capacity models)
- **HVW-14**: Medium-size roller conveyer (for the 60 kg capacity models)

### Accessories

- **AD-1612**: Comparator buzzer
- **AD-8127**: Compact printer
- **AD-8526**: Serial/Ethernet converter
- **AD-8922A**: Remote controller
- **AX-K03285-320**: RS-232C cable for PC and AD-8127 (D-Sub 9P, 3 m)
- **AX-043005266**: Display unit holder

### Discover Precision

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