

Intrinsically Safe Platform Scales

HV-CEP/HW-CEP

Series



TRADE
APPROVED
(HV-CEP
ONLY)



*Minimum Investment,
Maximum Safety!*

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Waterproof Platform Scales HV-CEP/HW-CEP Series

- Affordable selection of capacities and readabilities for excellent explosion protection
- High-speed measurement—response within 1 second (for the HV-CEP series)*1
- Multi-colored 5-step LED comparator lights

Model	Capacity (kg)	Readability (g)	Pan Size (in)	Trade Approved
HW-10KCEP	10 kg	0.001 kg	250 x 250 mm	N
HW-60KCEP	60 kg	0.005 kg	330 x 424 mm	N
HW-100KCEP	100 kg	0.01 kg	390 x 530 mm	N
HW-200KCEP	220 kg	0.02 kg	390 x 530 mm	N
HV-15KCEP-LFT	3 kg, 6 kg, 15 kg	0.001 kg, 0.002 kg, 0.005 kg	250 x 250 mm	Y
HV-60KCEP-LFT	15 kg, 30 kg, 60 kg	0.005 kg, 0.01 kg, 0.02 kg	330 x 424 mm	Y
HV-200KCEP-LFT	60 kg, 150 kg, 220 kg	0.02 k, 0.05 kg, 0.1 kg	390 x 530 mm	Y

Areas in which the HV-CEP/HW-CEP series is certified for safe use

	Flammable gases/ vapors present continuously	Flammable gases/ vapors present intermittently	Flammable gases/ vapors present only accidentally
IECEX ATEX FM/FMc (NEC505)	Zone 0 ✓	Zone 1 ✓	Zone 2 ✓
FM/FMc (NEC505)	Division 1 ✓		Division 2 ✓

Zone standards

- IECEX: Ex ia IIB T3 Ga
- ATEX: II 1G Ex ia IIB T3 Ga
- FM/FMc (NEC505): Aex / Ex ia IIB T3

You can safely use the balance in areas where flammable gases, vapors, or liquids are present in ignitable concentrations either continuously or for extended periods during normal operations (i.e., Zone 0 or Division 1).

Key Features

- Multi-coloured 5-step LED comparator lights
- Auto-tare and negative comparison functions
- LCD display (26 mm character height) with white backlight
- Quick and easy settings using the alphanumeric keypad Key lock function
- Long battery life of approx, 1,500 hours
- Auto power OFF function
- IP65 dust & waterproof base unit with stainless steel (SUS430) pan
 - In addition to being intrinsically safe, the base unit of the HV-CEP/HW-CEP series is ntrinsically safe, water-washable, weighs wet items, with a chemical-, scratch- and rust-resistant hygienic pan.



IP65 base unit with a SUS430 pan

Other Useful Features

- Counting mode
- Accumulation (M+) function
- Display angle adjustable to five levels
- High-speed measurement—response in 1 second or less
- Adjustable response characteristics and display hold

Specifications

		HV-15KCEP	HV-60KCEP	HV-200KCEP	HW-10KCEP	HW-60KCEP	HW-100KCEP	HW-200KCEP
kg	Capacity	3 / 6 / 15 ^{*i}	15 / 30 / 60 ^{*i}	60 / 150 / 220 ^{*i}	10	60	100	220
	Readability	0.001 / 0.002 / 0.005 ^{*i}	0.005 / 0.01 / 0.02 ^{*i}	0.02 / 0.05 / 0.1 ^{*i}	0.001	0.005	0.01	0.02
lb	Capacity	6 / 15 / 30 ^{*i}	30 / 60 / 150 ^{*i}	150 / 300 / 500 ^{*i}	20	150	200	500
	Readability	0.002 / 0.005 / 0.01 ^{*i}	0.01 / 0.02 / 0.05 ^{*i}	0.05 / 0.1 / 0.2 ^{*i}	0.002	0.01	0.02	0.05
oz	Capacity	96 / 240 / 480 ^{*i}	480 / 960 / 2400 ^{*i}	2400 / 4800 / 8000 ^{*i}	320	2400	3200	8000
	Readability	0.05 / 0.1 / 0.2 ^{*i}	0.2 / 0.5 / 1 ^{*i}	1 / 2 / 5 ^{*i}	0.05	0.2	0.5	1
lb-oz	Capacity	30 lb	N/A		20 lb	N/A		
	Readability	0.1 oz			0.1 oz			
Counting mode	Max. countable number	150,000	120,000	110,000	100,000	120,000	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	0.02	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	±0.02	±0.04
Sensitivity drift (typical)	±20 ppm/°C (5 to 35 °C / 41 to 95 °F)							
Display	7 segment LCD (Character height: 26 mm) with backlight 3-color, 5-step LED comparator lights							
Display refresh rate	10 times / second							
Operating environment	-10 to 40 °C / 14 to 104 °F, 85% RH or less (no condensation)							
Power supply	Four D-size, alkaline, 1.5 V batteries ^{*iii}							
Battery life (approx.)	1,500 hours with LED and backlight OFF or 1,000 hours with LED and backlight ON							
Weighing pan size	250 × 250 mm	330 × 424 mm	390 × 530 mm	250 × 250 mm	330 × 424 mm	390 × 530 mm		
	9.8 × 9.8 in	13.0 × 16.7 in	15.4 × 20.9 in	9.8 × 9.8 in	13.0 × 16.7 in	15.4 × 20.9 in		
Dimensions (W × D × H)	250 × 439 × 397 mm	330 × 585 × 776 mm	390 × 691 × 776 mm	250 × 439 × 397 mm	330 × 585 × 776 mm	390 × 691 × 776 mm		
	9.8 × 17.3 × 15.6 in	13.0 × 23.0 × 30.6 in	15.4 × 27.2 × 30.6 in	9.8 × 17.3 × 15.6 in	13.0 × 23.0 × 30.6 in	15.4 × 27.2 × 30.6 in		
Net weight (approx.)	8 kg / 17.6 lb	12 kg / 26.5 lb	18 kg / 39.7 lb	8 kg / 17.6 lb	12 kg / 26.5 lb	18 kg / 39.7 lb		

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

*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.

*iii Only DURACELL MN1300, ENERGIZER E95, or Panasonic LR20 (XJ) can be used (but not mixed).



Platform only