



HW-CEP Bench Scales

Intrinsically Safe Scales for Hazardous Environments

A&D
A&D Weighing

INTRINSICALLY SAFE BENCH SCALES

Weigh Safely in Hazardous Environments

The HW-CEP bench scale family is designed to weigh safely in potentially explosive atmospheres. The intrinsically safe product design ensures a high level of safety and complies with all relevant hazardous area standards.

Safety Certified

The HW-CEP family of bench scales are certified to global standards IECEx, ATEX and FM/FMc and are approved for use in FM Class 1, Division 1, groups C & D hazardous areas.

	Flammable Gases / Vapors Present Continuously	Flammable Gases / Vapors Present Intermittently	Flammable Gases / Vapors Present Accidentally
IECEx ATEX FM/FMc (NEC505)	Zone 0	Zone 1	Zone 2
FM/FMc (NEC500)	Division 1		Division 2



Performance and Features to Improve Your Weighing Operation

Dependable & Robust

The stainless steel weighing pan (SUS430) resists chemicals, scratches and rust. The IP65 base is easy to keep clean and hygienic and allows for weighing where spills are a potential hazard.



Long Battery Life

The HW-CEP Series operates on 4 D approved batteries, making it unnecessary to secure power from a safe area via a safety barrier. This avoids the expense and inconvenience of special wiring installed by a qualified electrician. And with battery power, you can take the scale where you want to weigh.



Red-Green-Amber LED comparator lights increase productivity by allowing fast checkweighing

Lights can be configured and set to 3, 5, or 7 levels

Bright LCD display with white back-light and 1" high characters

Operates on 4 D batteries - no AC power required

Stable weight within 1.5 seconds, typically

Key lock function inhibits certain keys to prevent unwanted setting changes

Accumulation function displays sum total of separate weighing results

4 models with up to 220 kg / 500 lb capacity



TARE to full capacity of scale

Auto POWER-OFF function saves battery life

10-digit alphanumeric keypad simplifies setting comparator limits

Auto-tare Function

The scale can automatically tare when the weight reaches a set value. Negative values can also be used as comparator limits. Combine these functions for "take-away" check weighing: measure out a target amount repeatedly from a master container without the need to press the tare key each time.



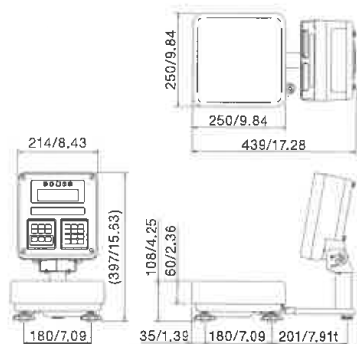
Specifications		HW-10KCEP	HW-60KCEP	HW-100KCEP	HW-200KCEP
kg	Capacity	10	60	100	220
	Min. display	0.001	0.005	0.01	0.02
lb	Capacity	20	150	200	500
	Min. display	0.002	0.01	0.02	0.05
oz	Capacity	320	2400	3200	8000
	Min. display	0.05	0.2	0.5	1
lb-oz	Capacity	20 lb	N/A		
	Min. display	0.1 oz			
Counting mode	Max. countable number	100,000	120,000	100,000	110,000
	Number of samples	5, 10, 20, 50 or 100			
Response time* ⁱ		Within 1.5 seconds			
Repeatability (std. deviation) [kg]		0.002	0.01	0.02	0.04
Linearity (kg)		±0.002	±0.01	±0.02	±0.04
Sensitivity drift (typical)		±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 refreshment rate		10 times / second			
Operating temperature		-10 °C to 40 °C / 14 °F to 104 °F, 85% R.H. or less (no condensation)			
Power supply		Four D-size, alkaline, 1.5 V batteries* ⁱⁱ			
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 9.8 × 9.8 in	330 × 424 mm 13.0 × 16.7 in	390 × 530 mm 15.4 × 20.9 in	
		250 × 439 × 397 mm 9.8 × 17.3 × 15.6 in	330 × 585 × 776 mm 13.0 × 23 × 30.6 in	390 × 691 × 776 mm 15.4 × 27.2 × 30.6 in	
Weight (approx.)		8 kg / 17.6 lb	12 kg / 26.5 lb	18 kg / 39.7 lb	

*ⁱ 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.

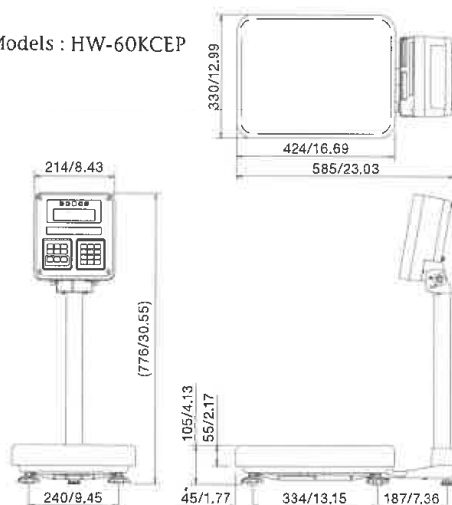
*ⁱⁱ Only DURACELL MN1300, ENERGIZER E95, or Panasonic LR20 (XI) can be used (but not mixed).

Dimensions (mm/inches)

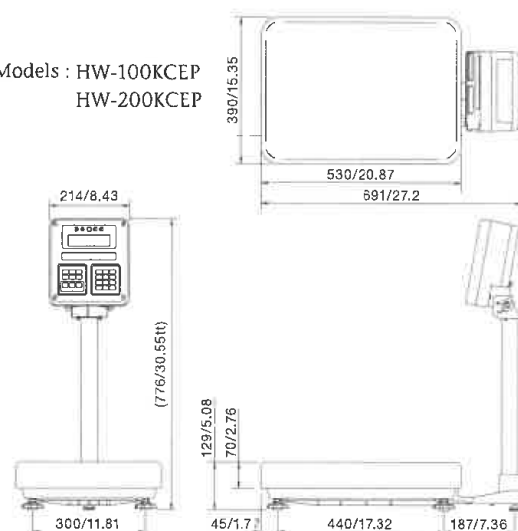
Models : HW-10KCEP



Models : HW-60KCEP



Models : HW-100KCEP
HW-200KCEP



Key Features

