



# CARDINAL®



## EB series BENCH SCALES

Featuring **190 STORM**  
**weight indicator**

**LOADED WITH  
FEATURES**

- Large 1-inch-high clear and bold LCD readouts
- Rugged IP69K-rated polycarbonate weight display
- Durable stainless steel base and column

Model EB-15-190



**Multiple Sizes  
and Capacities**

Model EB-300-190



# CARDINAL®



**OVER** 192 lb

**ACCEPT** 190 lb

**UNDER** 188 lb

Stab, poke, and prod it... the EB series bench scales' model 190 indicator will hold up to the abuse!

The Cardinal EB bench scale series features the 190 STORM indicator which offers IP69K protection against sharp objects often used in food processing environments.



## COLORZONE CHECKWEIGHING

ColorZONE is the solution for efficient time management during your checkweighing processes. The bright, vivid display, changes color automatically as the pre-assigned target weights are reached. You know immediately when you've hit the acceptable weight range. EB bench scales featuring the 190 indicator display amber for under weight, green for accepted weights, and bright red when weights exceed the upper weight limit. The target weights are easy to assign using the scale's capacitive touch keypad and can be quickly changed as different sized products are weighed.



## ULTRA-TOUGH CONSTRUCTION

The combination of the 190 STORM weight indicator's rugged polycarbonate enclosure with the capacitive touch keys provide the ultimate in protection. The IP69K water-tight, highly-durable enclosure allows operation in the harshest environments while the EB bench scale's stainless steel construction ensures the day in and day out dependability you require for your most demanding weighing applications.

## CAPACITIVE TOUCH KEYS

Capacitance is a measure of a person's ability to hold an electrical charge. The 190 indicator used with the EB bench scale features a unique capacitance sensing keyboard that eliminates the need for any opening in the front of the indicator. Special circuitry behind the front panel of the 190 senses the presence of the operator's finger and responds accordingly. A red status LED for each key signals to the operator that their touch has been received.

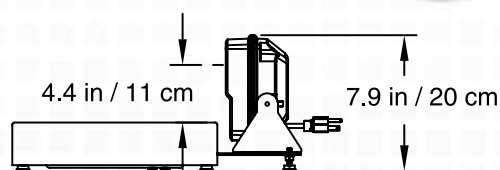
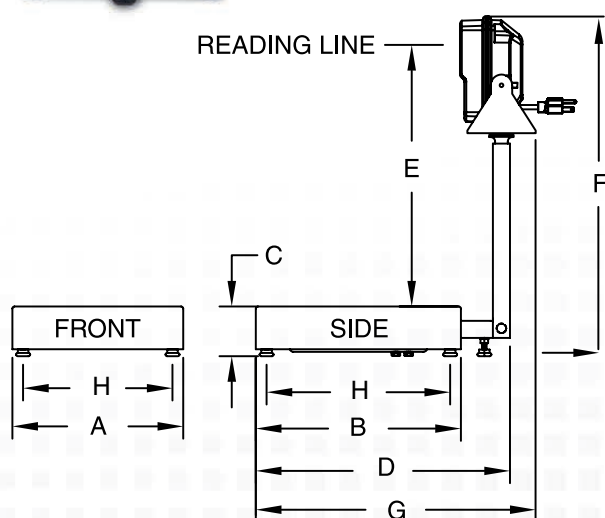
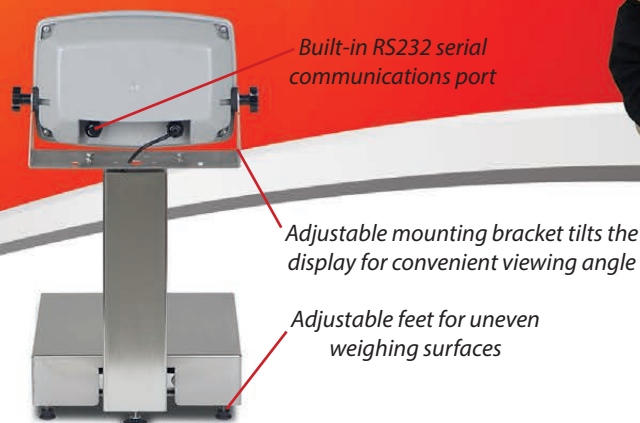




# EB series BENCH SCALES

Featuring **190 STORM**  
weight indicator

- Food Processing
- Chemical Industry
- Pharmaceutical
- Recycling
- Food Packaging



LPAN MODELS



PLATFORM SIZE

MODEL	CAPACITY	SHIPPING WT.	A	B	C	D	E	F	G	H
EB-15-190	15 lb x .005 lb 6 kg x .002 kg	25 lb / 11 kg	10 in 25 cm	12 in 30 cm	2.9 in 7 cm	15 in 38 cm	14.7 in 37 cm	19.7 in 50 cm	16.5 in 42 cm	8.5 x 10.5 in 22 x 27 cm
EB-30-190	30 lb x .01 lb 15 kg x .005 kg									
EB-60-190	60 lb x .02 lb 30 kg x .01 kg	39 lb / 18 kg	14 in 36 cm	16 in 41 cm	3.2 in 8 cm	19 in 48 cm	21.4 in 54 cm	26.4 in 67 cm	20 in 51 cm	12 x 14 in 30 x 36 cm
EB-150-190	150 lb x .05 lb 60 kg x .02 kg									
EB-300-190	300 lb x .1 lb 150 kg x .05 kg	79 lb / 36 kg	24 in 61 cm	20 in 51 cm	5.1 in 13 cm	22 in 56 cm	18.7 in 47 cm	25.9 in 66 cm	23.5 in 60 cm	20.9 x 16.9 in 53 x 43 cm

**LPAN models** also available without the stainless steel column in the same capacities as listed above. Add -LPAN suffix to model number.

# SPECIFICATIONS

<b>Power Requirements:</b>	100 to 240 VAC (50/60 Hz) at 0.4A Max.
<b>Enclosure Type</b>	
Indicator:	IP69K-rated polycarbonate
Scale Base:	Stainless steel
<b>Display:</b>	Six digit, seven segment, 1.0-inch/25-mm high backlit LCD
<b>Signal Input Range:</b>	0.5 mV min. to 40 mV max. (with dead load boost)
<b>Operating Temperature:</b>	14 to 104 °F (-10 to +40 °C)
<b>Number of Load Cells:</b>	6 each, 350 OHM minimum resistance
<b>Transducer Excitation:</b>	5.18 VDC
<b>Sensitivity:</b>	
NON-COMMERCIAL	0.15 uV/e
COMMERCIAL	0.5uV/e (Class III/IIIL/IIHHD)
<b>Scale Divisions:</b>	
NON-COMMERCIAL	100 to 240,000
COMMERCIAL	100 to 10,000 (Class III/IIIL/IIHHD)
<b>Internal Resolution:</b>	1 part in 16,777,216
<b>Tare Capacity:</b>	Scale capacity
<b>Sample Rate:</b>	1 to 100 samples per second, selectable
<b>Auto Zero Range:</b>	0.5 or 1 through 9 divisions
<b>Weighing Units:</b>	Pounds, Kilograms, Grams, Ounces
<b>Keypad:</b>	Color coded capacitive touch type, 7 keys
<b>Standard I/O:</b>	(1) bi-directional RS232

## POWER OPTIONS



**Model 190 Indicator**  
**AC Power** (shown left)  
Comes standard



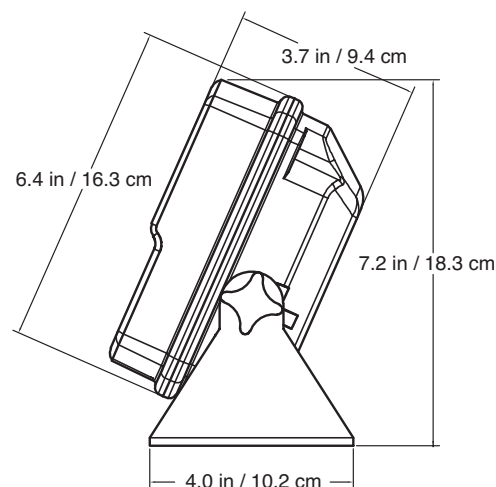
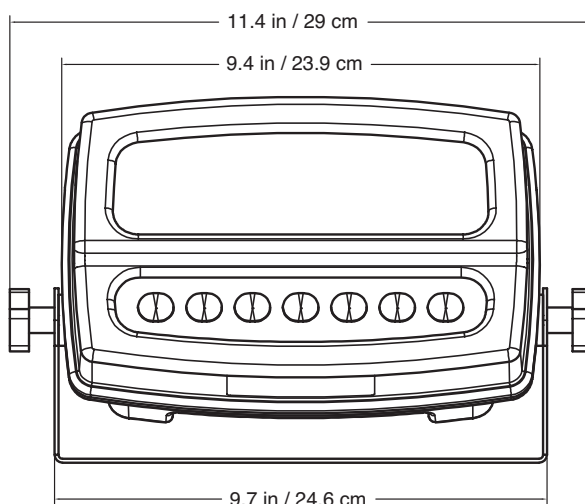
Both the 190 and 190DC may utilize an optional rechargeable Lithium Ion battery.

**Model 190DC Indicator**  
**DC Power** (shown left)

Optional DC Power Supply



## Model 190 INDICATOR DIMENSIONS



## CERTIFICATIONS



Certificate of Conformance  
**INDICATOR:** 10-084  
**SCALE BASE:** 03-031



Notice of Approval  
**INDICATOR:** AM-5804  
**SCALE BASE:** AM-5526



**INDICATOR:**  
R76/1992-DK3-11.05



Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice. All registered trademarks are the property of their respective owners.



**SOLD BY:**



102 East Daugherty St., Webb City, MO 64870 USA  
Toll-Free: (800) 441-4237 E-mail: cardinal@cardet.com  
www.CardinalScale.com