



190 STORM

Digital Weight Indicator



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HIGH-TEMPERATURE. HIGH-PRESSURE
WASHDOWN



STORM

190 Weight Indicator

Ultimate IP69K-rated protection against the harshest of washdown environments.

The enclosure is designed for high pressure water jet cleaning (1450PSI) at high temperatures of up to 176° F/ 80° C.

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ULTRA-TOUGH ENCLOSURE

The combination of the rugged polycarbonate enclosure and capacitive touch keys provide total protection from sharp objects. The 190 is impact resistant for ultimate durability in harsh environments. The IP69K watertight, highly-durable enclosure provides you with the assurance of dependability that you require.



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CAPACITIVE TOUCH KEYS

Capacitance is the ability of a person to hold an electrical charge, so the 190's unique capacitive touch keys allow the front of the panel to be constructed as a single piece. The keypad senses the operator's finger from the inside of the enclosure. There are no moving parts to wear out or exposed electronics. Red status lamps above each key provide a visual indication of key presses.



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ColorZONE CHECKWEIGHING

The display changes color automatically as pre-assigned target weights are reached during checkweighing



OVER

192 lb

ACCEPT

190 lb

UNDER

188 lb

STORM

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VERSATILE WEIGHING USE

Cardinal's 190 STORM high-impact indicator is perfect for many uses:

- Food Processing
- Chemical Industry
- Pharmaceutical
- Almost any harsh application environment



190-IP OPTION CARD FEATURES

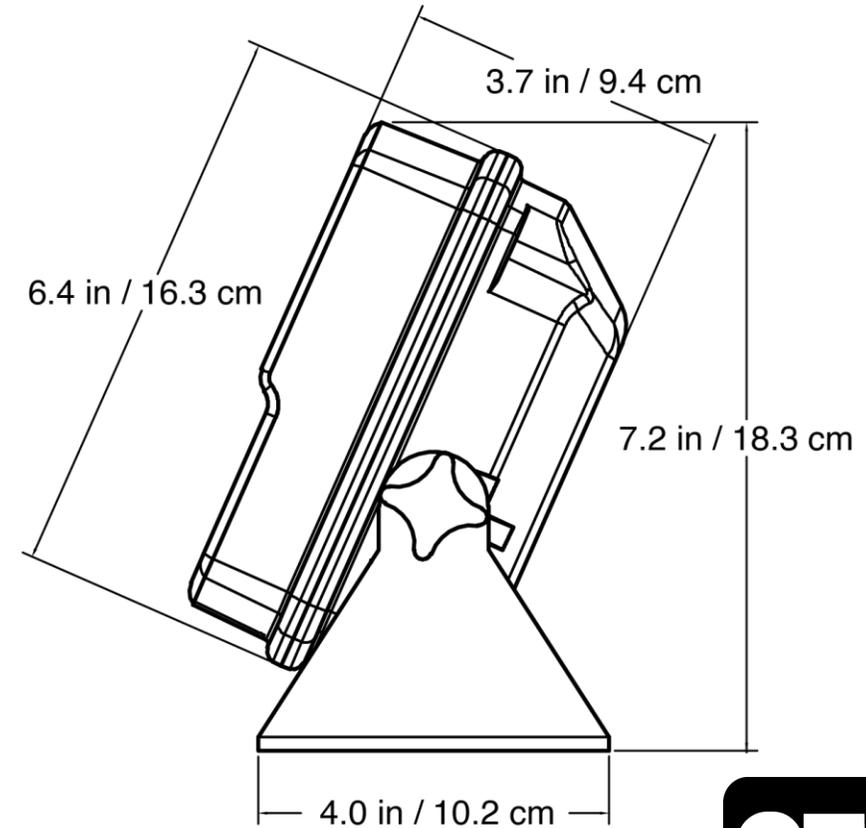
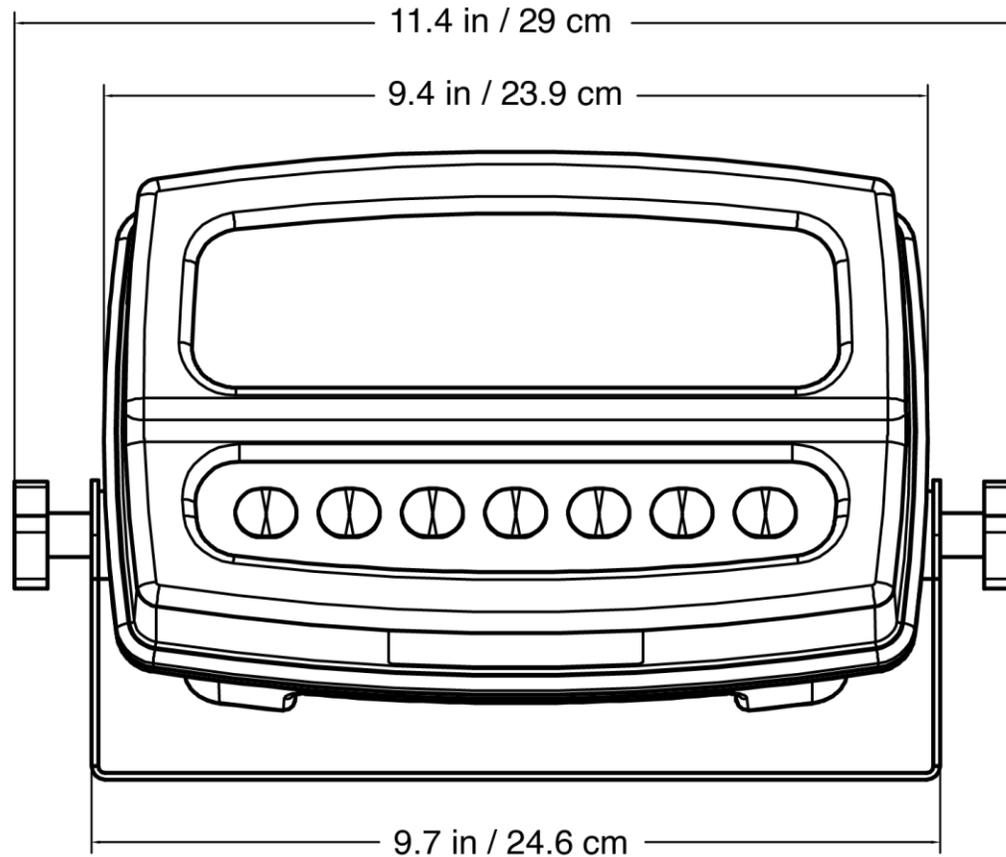
- Standard RJ45 Ethernet port
- Embedded Web server
- 10/100Mb Ethernet – auto-sensing
- No firmware update necessary to the 190 STORM
- Easy configuration through a Web interface
- High-performance processor
- (12 MIPS at 48 MHz, 22 MIPS at 88 MHz)
- E-mail client capability
- Password protection
- Status/diagnostic LEDs



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DIMENSIONS



Admiral Series CA-190 Bench Scales



Admiral BENCH SCALES

FEATURING
190 STORM
WEIGHT INDICATOR



Admiral Series CA-190 Bench Scales



Protection Against the Harshest of Washdown Environments

Load cell and indicator fully protected against close-range, high-pressure, high-temperature spray downs.



The Admiral CA-190 utilizes the model SSPW hermetically-sealed IP69K waterproof load cell.



Admiral Series CA-190 Bench Scales



WASHDOWN BENCH SCALES

- IP69K full washdown protection rating
- Stainless steel scale base and column
- Polycarbonate ABS enclosure
- No moving parts or exposed electronics on the indicator
- Keypad senses operator's finger from inside the enclosure
- Optional internal Wi-Fi connectivity
- Red status LED signals operator's touch has been received



Admiral Series CA-190 Bench Scales



Built-in Carrying Handle

Integral carrying handle for easy lifting and transport of the scale to multiple locations



OPTIONAL 190 BLUE FRONT ENCLOSURE



Part No. 8400-D010-18

For Food Production Use

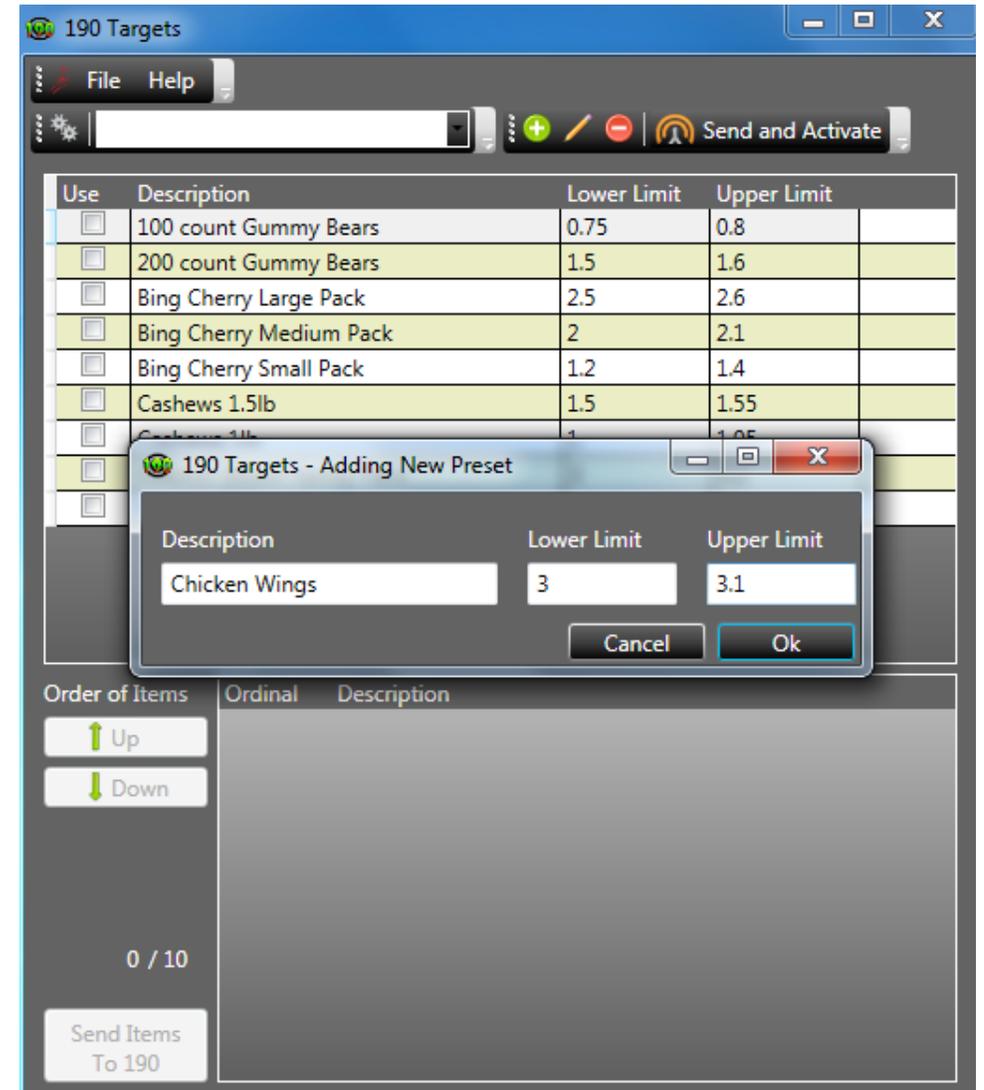
In the unlikely event during food production that anything breaches the polycarbonate enclosure, the distinctive blue color of the optional 8400-D010-18 front cover facilitates early visual detection and removal to prevent food contamination. The see-through IP69K watertight blue front enclosure provides the ultimate in food safety.

190 Targets

Checkweighing Application PC Software



190 TARGETS



Expand your 190 checkweigher functionality with a virtually unlimited number of presets stored in the 190 Targets database

190 Targets

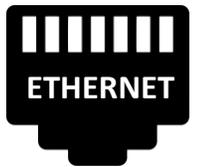
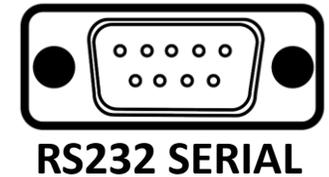
Checkweighing Application PC Software



190 TARGETS



Cardinal Scale's 190 Targets is a PC-based application that allows the user to download checkweigher presets to a weight indicator. The PC software stores a database of presets, that may easily be updated from one central location without the need to physically change the preset values on the 190 indicator whenever the presets change. 190 Targets allows you to create Under/Accept/Over target presets selected from a list and then easily manage them as the checkweighing target values need to be updated.



190 Targets

Checkweighing Application PC Software



Easily maintain your target weight presets from a PC instead of at the 190 indicator

Use	Description	Lower Limit	Upper Limit
<input type="checkbox"/>	100 count Gummy Bears	0.75	0.8
<input type="checkbox"/>	200 count Gummy Bears	1.5	1.6
<input checked="" type="checkbox"/>	Bing Cherry Large Pack	2.5	2.6
<input checked="" type="checkbox"/>	Bing Cherry Medium Pack	2	2.1
<input checked="" type="checkbox"/>	Bing Cherry Small Pack	1.2	1.4
<input type="checkbox"/>	Cashews 1.5lb	1.5	1.55
<input type="checkbox"/>	Cashews 1lb	1	1.05
<input type="checkbox"/>	Chicken Breast Family Pack	3	3.2
<input type="checkbox"/>	Chicken Thighs Family Pack	3.5	3.6

Order of Items	Ordinal	Description
Up	1	Bing Cherry Medium Pack
	2	Bing Cherry Small Pack
Down	3	Bing Cherry Large Pack

Selecting presets from the database to create a list and then ensuring they are in the proper order before sending it to the 190 indicator.

190 Targets - Configuratio...

Devices: Ice Pack Line

- Presort Line 1
- Presort Line 2
- Inspection Line 1
- Packing Line 1
- Packing Line 2
- Final Trimming Line 1
- Ice Pack Line

IP Address: _____

Port: 10001

Stop Bits: One

Cancel Save

Selecting an indicator (Device) to configure the communication connection from the PC to the 190.

190 Targets - Presets		
Description	Lower Limit	Upper Limit
100 Count Gummy B	0.75	0.8
200 Count Gummy B	1.5	1.6
Bing Cherry Large	2.5	2.75
Bing Cherry S	1.2	1.3
Bung Cherry M	2	2.05
Cashews 1.5	1.5	1.55
Cashews 1lb	1	1.05
Chicken Breast Pack	4	4.2
Chicken Thigh Pack	4	4.1
Mushroom Large	3	3.05
Mushroom Medium	2	2.05
Mushroom Small	1	1.05



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