OVER/UNDER WASHDOWN CHECKWEIGHER

CW-90X is designed for easy cleaning in the food processing industry and has NSF approval.

### Standard Features

#### Indicator:
- Piezo keypad consisting of ZERO, UNITS, PRINT, TARE, OVER, UNDER, ID, TARGET, ENTER, MENU, POWER
- 304 stainless steel, IP69K rated
- Cosm™ PreVent® breather vent
- Storage for up to 50 IDs
- Unit of measure: kg, gm, lb, oz, lb/oz
- High-intensity LED display
- Battery-backed time and date
- Two full duplex serial ports
- Configurable print formats
- Audit trail tracking

#### Scale:
- IP69K, stainless steel hermetically sealed load cell
- 304 stainless steel
- Five-point overload protection

#### Optional Communications:
- Ethernet, USB or Fiber Optic, WiFi
- Four configurable digital I/Os
- Reflash memory to upgrade firmware

### Specifications

#### Power AC:
- Line voltages: 115/230VAC
- Frequency: 50/60 Hz
- Fused @ 2.5 A
- Power Consumption:
  - 1.5 A @ 115 VAC (8W), 0.75 A @ 230 VAC (8W)
- Excitation Voltage:
  - +5VDC 8 x 350 Ω or 16 x 700 Ω load cells

#### Analog Signal Input Range:
- -0.5 mV/V + 4.5 mV/V

#### Analog Signal Sensitivity:
- 0.3 μV/graduation minimum, 1.5 μV/graduation recommended

#### Measurement Rate:
- 960, 480, 240, 120, 60, 30, 15, 7.5 per second

#### System Linearity:
- +/-0.1% full scale

#### Circuit Protection:
- RFI, EMI, EFT, ESD and surge protection
- LED display with three-color over/under bar graph
- Display:
  - Large 0.8 in, 14-segment, six digit high-intensity red LED display with four configurable I/Os
- Annunciators:
  - Designators for %, kg, gm, lb, oz, center of zero, Gross/Brutto, N, T, PT, neg, motion
- Operational Temperature:
  - Legal: 14ºF to 104ºF (-10ºC to +40ºC)

#### Digital I/O:
- 4 channels on CPU board

#### Platform Dimensions Height

<table>
<thead>
<tr>
<th>115 VAC OR 230 VAC</th>
<th>5 lb</th>
<th>10 lb</th>
<th>25 lb</th>
<th>25 lb</th>
<th>100 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 x 0.0001 lb</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
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<tr>
<td>10 x 0.0002 lb</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
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<tr>
<td>20 x 0.0005 lb</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
</tr>
<tr>
<td>40 x 0.001 lb</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
</tr>
<tr>
<td>80 x 0.002 lb</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
<td>10 x 12&quot;</td>
</tr>
</tbody>
</table>

#### Load Cell:
- IP69K, stainless steel hermetically sealed

#### Weight Limitation

<table>
<thead>
<tr>
<th>230 V AC CE marked/OMAL approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>3 kg</td>
</tr>
<tr>
<td>6 kg</td>
</tr>
<tr>
<td>15 kg</td>
</tr>
<tr>
<td>30 kg</td>
</tr>
<tr>
<td>50 kg</td>
</tr>
</tbody>
</table>

*Custom sizes available

Your Rice Lake Weighing Systems distributor is:

230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

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Specifications subject to change without notice.
Facing Hostile Environments

Extra-Strength Keypad

Made to withstand sharp knife-point contacts as well as contaminants and liquids, Rice Lake’s CW-90X features an amazingly tough piezo keypad. Its extra-strength material is the most durable in the industry, ensuring your scale will continue to work through any challenge.

IP69K—Your Best Defense

Manufacturers with harsh production environments look for the IP69K rating to provide the highest level of protection available. The CW-90X uses a hermetically sealed load cell and stainless steel indicator, which have both earned IP69K certification, guaranteeing protection from repeated high temp/high pressure washdowns. Complete with 304 stainless steel construction, the CW-90X will help meet all of your HACCP and food industry requirements.

NSF Approval

In our commitment to the food processing industry, the CW-90X is fully compliant to NSF standards. NSF International provides certification* services for equipment used in the processing of meat and poultry. These standards have been specified by the USDA to be sure the highest quality equipment is used for food manufacturing purposes.

IP69K and NSF approval make the CW-90X ideal for processing meat and poultry. Enclosures with an IP69K rating must be able to withstand high-pressure and steam cleaning as well as being dust-tight.

Predicting Growth? Get WeighVault for CW-90/CW-90X

WeighVault for your PC surpasses the CW-90/90X’s 50 ID limitation and eliminates front-panel entry by letting users add, edit, and access IDs through a PC. As transactions occur, WeighVault collects data from single or multiple checkweighers and provides detailed reports which can be exported to Excel, Word, or PDF. For more information regarding WeighVault, please visit:

www.ricelake.com/weighvault

When a standard size scale base or column doesn’t quite fit your needs, Rice Lake is positioned to deliver a custom solution that’s quick and cost effective for nearly any weighing application.

Simple

Users of Rice Lake’s CW-90X will find it to be incredibly simple while offering a powerful assortment of useful features. Program the CW-90X to accept product at set values and then use the checkweigher by relying solely on the bright over/under lights. A red light displays an under weight condition, yellow is over, and a green light indicates the product is within the specified target. Rice Lake’s CW-90X puts today’s demanding checkweighing needs in an exceptionally user-friendly package.

Durable

The CW-90X is built for the demanding, heavy-duty environments of today’s food processing industry. Starting with its IP69K rating, you won’t find a more robust checkweigher on the market. The hermetically sealed stainless steel load cell and watertight enclosure are guaranteed to withstand the harshest washdown environments. The CW-90X is constructed of 304 stainless steel with a five-point overload system, helping prevent load cell damage and provide the most economical solution to a majority of applications. Sharp knife points are no match for the smooth, hardened surface and non-tactile key function of the unique piezo keypad. The CW-90X also features the unique Gore® PreVent® breather vent with GORE-TEX® material. This device is designed to let air flow in and out of the indicator while simultaneously blocking water and dust. In areas of extreme temperature change, this breakthrough technology helps eliminate the possibility of damaging condensation. With so many enhanced features, the customer-driven design of Rice Lake’s CW-90X is built to outlast the competition, hands down.

Practical

The CW-90X has the capacity to store up to 50 individual lbs to recall previously stored information. It can also be used with optional Ethernet, USB, and fiber optic ports to capture production floor data.

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For more information regarding WeighVault, please visit: www.ricelake.com/weighvault

Elminate the possibility of damaging moisture with the Gore PreVent breather vent.

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**Standard Features**

**Indicator:**
- Piezo keypad consisting of ZERO, UNITS, PRINT, TAPE, OVER, UNDER, ID, TARGET, ENTER, MENU, POWER
- 304 stainless steel, IP69K rated
- "Crisp" PreVent® breather vent
- Storage for up to 50 IDs
- Unit of measure: kg, g, lb, oz, lb/oz
- High-intensity LED display
- Battery-backed time and date
- Two full duplex serial ports
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**Scale:**
- IP69K, stainless steel hermetically sealed load cell
- 304 stainless steel
- Five-point overload protection

**Optional Communications:**
- Ethernet, USB or Fiber Optic, WiFi
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**Specifications**

**Power AC:**
- Line voltages: 115/230 VAC
- Frequency: 50/60 Hz
- Fused @ 2.5 A

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- +5VDC 8 x 350 Ω or 16 x 700 Ω load cells

**Analog Signal Input Range:**
- -0.5 mV/V + 4.5 mV/V

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**Measurement Rate:**
- 960, 480, 240, 120, 60, 30, 15, 7.5 per second

**System Linearity:**
- +/-0.01% full scale

**Digital I/O:**
- 4 channels on CPU board

**Circuit Protection:**
- RFI, EMI, EFT, ESD and surge protection

**Display:**
- Large 0.8 in, 14-segment, six digit high-intensity red LED display with three color over/under bar graph

**Status Annunciators:**
- Designators for %, kg, g, lb, oz, center of zero, Gross/Brutto, H, T, PT, neg, motion

**Operating Temperature:**
- Legal: 14°F to 104°F (-10°C to +40°C)

**Rating Material:**
- IP69K, stainless steel

**Display Resolution:**
- 100,000 graduations maximum

**Load Cell:**
- IP69K, stainless steel hermetically sealed

**Warranty:**
- Three-year limited warranty

**Approvals**

*Custom sizes available*