Designed to be fast, accurate, and reliable, the ZK810 Counting Scale is simple to operate while keeping the strengths inherent in our high resolution BSQ Digital Base with Quartzell™ technology.

The ZK810 is equipped with the essential counting scale features used by most operators, keeping setup and training to a minimum.

Although simplified, the ZK810 uses the same unique, modular, robust BSQ Quartzell bench base design with up to 500 million usable internal count resolution and 1100% overload protection to guarantee accuracy. This 70 lb /35 kg counting scale can accurately count a much wider range of components, from micro parts to much heavier items all off the same 9” x 12” base.

**General Weighing**

This 70 lb/35 kg 35,000 division scale can also be easily set up to turn off all counting features, making it ideal for simple weigh only applications.

## Counting Specifications

### Operating Applications

<table>
<thead>
<tr>
<th>Counting Application</th>
<th>Choose from two easy-to-use sampling routines. Use the default two step dribble sampling mode for where parts are placed on in stages to a bulk mode where the complete sample is placed on all at the same time and the scale automatically calculates the piece weight.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Minimum Piece Weight by Base Type (Sample Size of 50)</td>
<td>70 lb (35 kg) minimum piece weight: 0.000154 lb (70 mg) minimum sample weight: 0.0077 lb (3.5 g)</td>
</tr>
<tr>
<td>Count Accuracy</td>
<td>Fixed (non configurable)</td>
</tr>
</tbody>
</table>

**Supervisor controlled Key Advanced settings**

<table>
<thead>
<tr>
<th>Required Sampling Routine</th>
<th>Bulk or dribble sampling (default setting is dribble)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Sample Size</td>
<td>Limits the sample size that can be entered in the scale</td>
</tr>
</tbody>
</table>
BENCH SCALE SPECIFICATIONS

OPERATING APPLICATIONS

Weigh Only Mode
High resolution weigh only function simplifies user operation. Utilizes standard functions such as gross, net tare weight, unit switching and printing

ZK810 INDICATOR

OPERATING APPLICATIONS

Compatibility
Supplied connected to local BSQ base only (no remote base option available)

Units of Measure
Two independent, configurable units of measure (pounds, kilograms, grams, lb/oz)

Construction
High resolution Quartzell mounted inside a robust aluminium die-cast clamshell BSQ base with 1100% overload and shock load protection
ZK810 indicator is protected inside a tough ABS indicator housing that is fixed to the front of the BSQ base

Indicator Display
Green on black IBN display ideal for low lit areas. Easy to read seven digit, ½” (13mm) high, seven segment display

Metrology Data
Stored within the ZK810 indicator

ZK810 Connection Sockets
ZK810 comes as standard with two RS232 serial ports and one Ethernet port (local base: client or server)

Power Options
100V to 240V AC 50/60 Hz switch mode power supply mounted to the rear of the base

Battery Power Option
Factory fit NIMH rechargeable battery option to give up to 20 hours of continuous usage

MAIN CAPACITIES AND RESOLUTIONS AVAILABLE

Capacity (factory set)
70 lb x 0.002 lb (35 kg x 0.001 kg)
Downrange capacities available: 3 fixed downrange capacities and resolutions available
70 x 0.002 (factory set)
35 x 0.001
15 x 0.0005

Resolution
Up to 35,000 divisions internally set

Weight Platter Size
9” x 12” (230 mm x 350 mm)

Operating Temperature
-4° F to 140° F / -20° C to 60° C (industrial) at 10 to 90% humidity

Foot Adjustment
Water resistant anti-slip rubber foot with finger grip locking ring to allow up to 0.75” (19 mm) height adjustment

IP Rating
Designed to meet IP42

Carry Handles
Carry handles allow this scale base to be easily carried around

Options
Clamp down plate
ticket printers: 3 limited ticket print formats (only adjustable through scale front panel)

Operator Keys
Six metal domed keys (Sample, Tare, Select, Zero, Print, Units)

Digital Filtering
Digital Harmonizer™ filters stored within the indicator with adjustable average, constant and threshold filter settings

Time and Date
Battery backed up time/date/year (12 hour or 24 hour format)

Calibration
Up to five points of calibration, stored within the ZK810 indicator

Display Rate
100Hz

Non Legal for Trade Resolution
35,000 divisions center of pan, stable room temperature and using 5 point calibration

Readability
35,000 divisions

Internal Resolution
500 million usable interanl counts

Load Cell Technology
High accuracy digital Quartzell transducer

Overload Protection
1100% overload protection
Corner Loading

Spring breakaway system is activated at 120% full capacity or 60% corner only load

<table>
<thead>
<tr>
<th>DIMENSIONS (inches)</th>
<th>Base Size</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>g</th>
<th>h</th>
<th>i</th>
<th>j</th>
</tr>
</thead>
<tbody>
<tr>
<td>9” x 12”</td>
<td></td>
<td>13.00</td>
<td>12.00</td>
<td>9.00</td>
<td>9.50</td>
<td>5.75</td>
<td>5.27</td>
<td>2.18</td>
<td>2.33</td>
<td>14.47</td>
<td>10.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIMENSIONS (millimeters)</th>
<th>Base Size</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>g</th>
<th>h</th>
<th>i</th>
<th>j</th>
</tr>
</thead>
<tbody>
<tr>
<td>230 mm x 305 mm</td>
<td></td>
<td>330</td>
<td>305</td>
<td>228</td>
<td>241</td>
<td>146</td>
<td>134</td>
<td>55</td>
<td>59</td>
<td>368</td>
<td>254</td>
</tr>
</tbody>
</table>

**APPROVALS**

Agencies

UL/c-UL, CE, RoHs, RCM approved