

# ZK810

## COUNTING SCALE

## BENCH SCALE



ZK810 9" x 12" (230 x 305 mm)  
with keypad

High resolution  
industrial digital scale

*Technical Specification*

## DESCRIPTION

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

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

### Supervisor controlled Key Advanced settings

<b>Required Sampling Routine</b>	Bulk or dribble sampling (default setting is dribble)
<b>Minimum Sample Size</b>	Limits the sample size that can be entered in the scale

## BENCH SCALE SPECIFICATIONS

### OPERATING APPLICATIONS

<b>Weigh Only Mode</b>	High resolution weigh only function simplifies user operation. Utilizes standard functions such as gross, net tare weight, unit switching and printing
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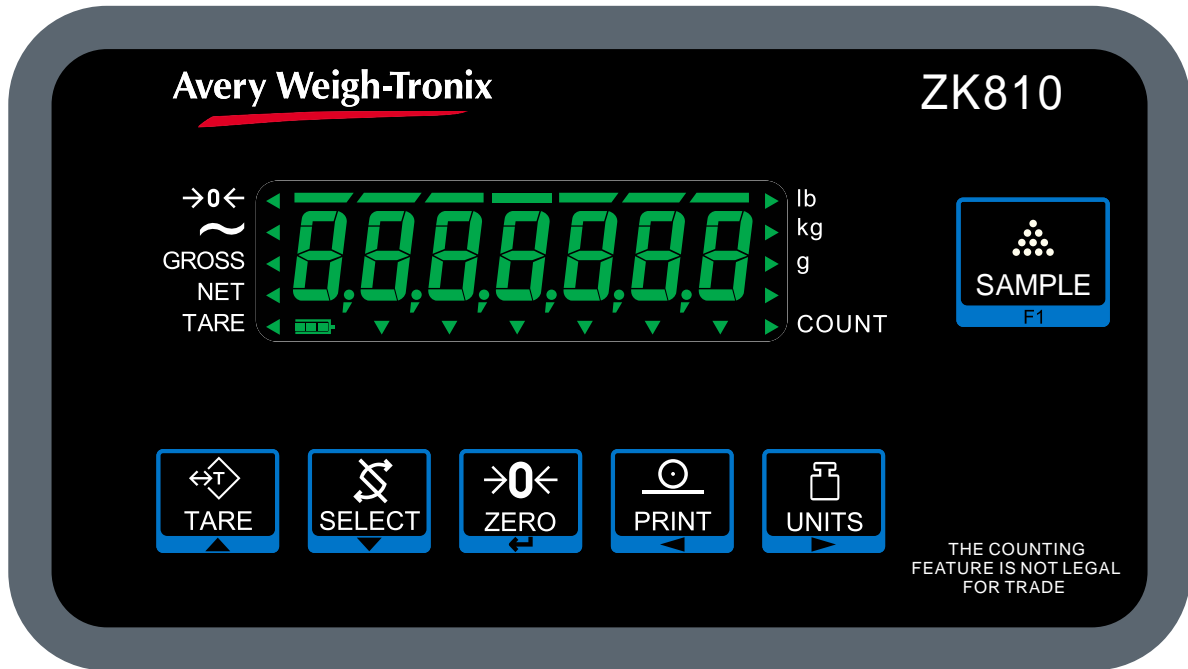
## ZK810 INDICATOR

### OPERATING APPLICATIONS

<b>Compatibility</b>	Supplied connected to local BSQ base only ( <i>no remote base option available</i> )
<b>Units of Measure</b>	Two independent, configurable units of measure ( <i>pounds, kilograms, grams, lb/oz</i> )
<b>Construction</b>	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
<b>Indicator Display</b>	Green on black IBN display ideal for low lit areas. Easy to read seven digit, ½" (13mm) high, seven segment display
<b>Metrology Data</b>	Stored within the ZK810 indicator
<b>ZK810 Connection Sockets</b>	ZK810 comes as standard with two RS232 serial ports and one Ethernet port ( <i>local base: client or server</i> )
<b>Power Options</b>	100V to 240V AC 50/60 Hz switch mode power supply mounted to the rear of the base
<b>Battery Power Option</b>	Factory fit NIMH rechargeable battery option to give up to 20 hours of continuous usage

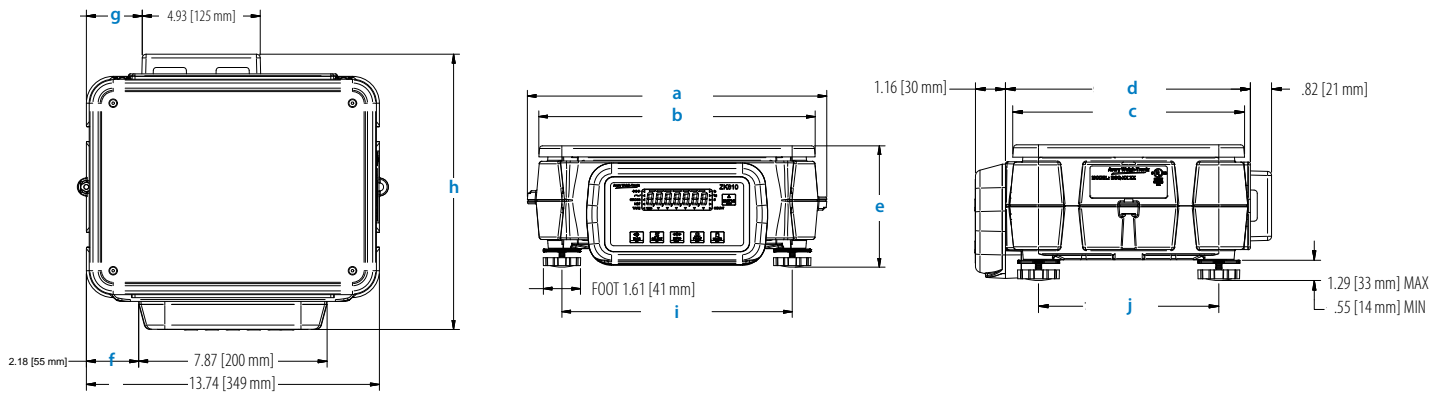
### MAIN CAPACITIES AND RESOLUTIONS AVAILABLE

<b>Capacity (factory set)</b>	<b>70 lb x 0.002 lb (35 kg x 0.001 kg)</b> Downrange capacities available: 3 fixed downrange capacities and resolutions available 70 x 0.002 (factory set) 35 x 0.001 15 x 0.0005
<b>Resolution</b>	Up to 35,000 divisions internally set
<b>Weight Platter Size</b>	9" x 12" (230 mm x 350 mm)
<b>Operating Temperature</b>	-4° F to 140° F / -20° C to 60° C (industrial) at 10 to 90% humidity
<b>Foot Adjustment</b>	Water resistant anti-slip rubber foot with finger grip locking ring to allow up to 0.75" (19 mm) height adjustment
<b>IP Rating</b>	Designed to meet IP42
<b>Carry Handles</b>	Carry handles allow this scale base to be easily carried around
<b>Options</b>	Clamp down plate Ticket printers: 3 limited ticket print formats ( <i>only adjustable through scale front panel</i> )
<b>Operator Keys</b>	Six metal domed keys (Sample, Tare, Select, Zero, Print, Units)
<b>Digital Filtering</b>	Digital Harmonizer™ filters stored within the indicator with adjustable average, constant and threshold filter settings
<b>Time and Date</b>	Battery backed up time/date/year ( <i>12 hour or 24 hour format</i> )
<b>Calibration</b>	Up to five points of calibration, stored within the ZK810 indicator
<b>Display Rate</b>	100Hz
<b>Non Legal for Trade Resolution</b>	35,000 divisions center of pan, stable room temperature and using 5 point calibration
<b>Readability</b>	35,000 divisions
<b>Internal Resolution</b>	500 million counts (500,000,000 internal counts)
<b>Load Cell Technology</b>	High accuracy digital Quartzell transducer
<b>Overload Protection</b>	1100% overload protection



**Corner Loading**

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



**DIMENSIONS (inches)**

Base Size	a	b	c	d	e	f	g	h	i	j	
9" x 12"	13.00	12.00	9.00	9.50	5.75	5.27	2.18	2.33	11.50	10.00	7.00

**DIMENSIONS (millimeters)**

Base Size	a	b	c	d	e	f	g	h	i	j	
230 mm x 305 mm	330	305	228	241	146	134	55	59	292	254	178

**APPROVALS**

Agencies

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



**Avery Weigh-Tronix**

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