Avery Weigh-Tronix

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

Counting Application	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
Recommended Minimum Piece Weight by Base Type (Sample Size of 50)	70 lb (35 kg) minimum piece weight : 0.000154 lb (70 mg) minimum sample weight: 0.0077 lb (3.5 g)
Count Accuracy	Fixed (non configurable)

Supervisor controlled Key Advanced settings

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

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

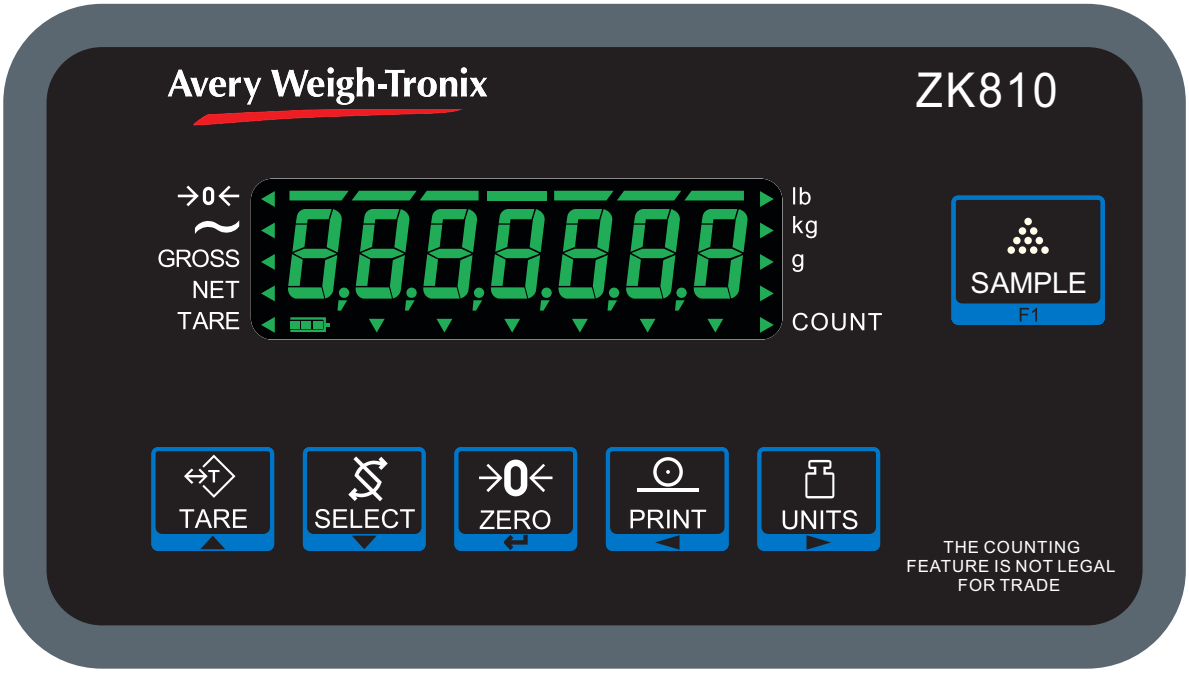
ZK810 INDICATOR

OPERATING APPLICATIONS

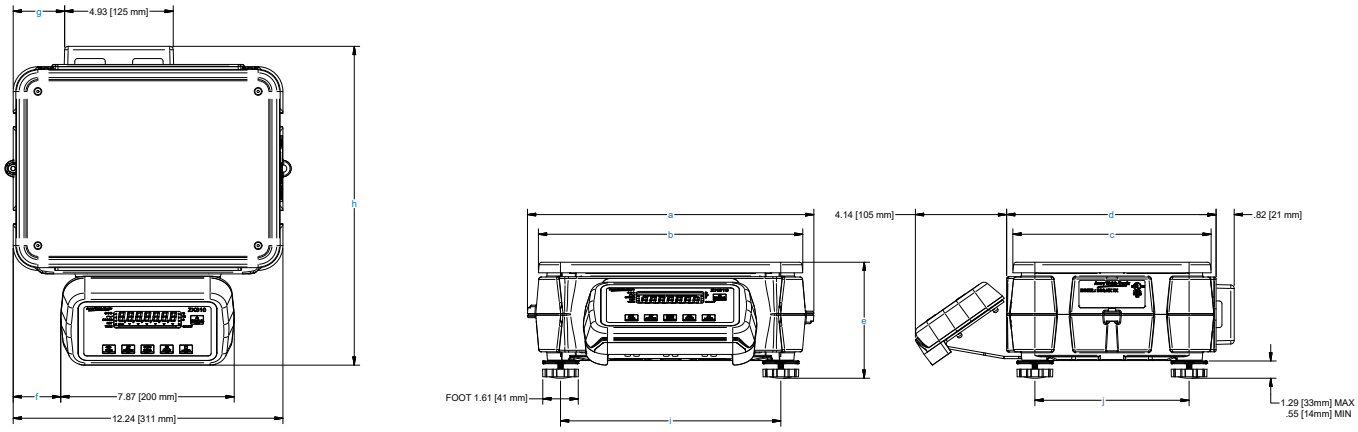
Compatibility	Supplied connected to local BSQ base only *(no remote base option available)*
Units of Measure	Two independent, configurable units of measure *(pounds, kilograms, grams, lb/oz)*
Construction	High resolution Quartzell mounted inside a robust aluminium die-cast clamshell BSQ base with 1100% 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)** Downrage 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 internal 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



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	14.47	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	368	254	178

APPROVALS

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

Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company

Avery Weigh-Tronix is a trademark of the Illinois Tool Works group of companies whose ultimate parent company is Illinois Tool Works Inc ("Illinois Tool Works"). Copyright © 2020 Illinois Tool Works. All rights reserved. This publication is issued to provide outline information only and may not be regarded as a representation relating to the products or services concerned. This publication was correct at the time of going to print, however Avery Weigh-Tronix reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service at any time.

zk810series_spec_501857.indd
V2 AWT35-501858