Avery Weigh-Tronix

ZK840

PICK LIST KITTING

ZK840 9" x 12" (230 x 305 mm) programmable indicator

High resolution pick list check counting with PLU data storage

Technical Specification

DESCRIPTION

Ideal for busy multi-part kitting applications, this software allows a wide range of different kits to be processed from the same work station, while ensuring only the correct parts are used.

The operator can quickly select from a wide range of kitting assembles from the internal database. This gives the operator all the information required to successfully find and pick all of the items for that particular kit assembly. Increased assembly quantities can be stored using either a PC controlled database or by installing an optional Micro SD card.

Each kit list can hold up to 25 different pick-able parts which are all preselected on the ZK840 display. The display provides the operator with a clear step by step guide, ensuring that only the correct parts are selected each and every time.

As each part on the list is selected, the ZK840 display prompts the operator to find and scan the required bin location before allowing the correct quantity of parts to be picked. As each part is selected, the scale retrieves the required quantity and piece weights for the part, allowing the operator to accurately count the parts before moving further down the list.

Designed to give full reassurance that all kitted parts are correctly selected while also managing component inventory on each individual kitting station.

Data stored under each Pick list assembly

- Part number per kit
- Description per kit
- Up to 25 different component PLUs
- Component part number
- Component description
- Component location
- Component piece weight

This self-contained work station enables fast, accurate picking to take place with easy to read under, over and accept graphics to help aid the picking process.

Designed for accuracy and strength, this pick list application fully utilizes the 1 billion internal count resolution found in the ZK840. 1100% overload protection ensure that the scale is robust, while the full graphical touch-screen display ensures that this fully configurable application meets all customer picking requirements.

ZK840 PICK LIST RECIPE *Technical Specification*

PICK LIST RECIPE APPLICATION

Application	To be downloaded/installed via Ethernet or USB memory stick from Z tools library by a fully trained technician
Display Screens	Display screens have been designed to be simple and easy to follow with step by step prompts

Visual Display Aids	Under over and Accept can be set to graphically show when the actual counted parts are reached
Operational Keys	Subject to configuration, basic keys being: zero, tare, print, units of measure Advanced keys: recall, operator I.D., setup, abort
Assembly Selections	Most applications will do this using a barcode scanner however the ZK840 has the ability to enter in the assembly part number to find the next product to be kitted
Picking Method	Mostly controlled using check counting based off component piece weights, however for product that require a weight quantity, checkweighing by weight can also be used
Max Stored Assemblies	Will hold internally a combined quantity of around 1000 kitting assembly or PLUs parts that are used within the assembly *(e.g: 600 assemblies using up to 400 different PLUs parts = 1000)* By installing a Micro SD card, this can be expanded up to around 3500 However, turning on more data fields than the standard ones will reduce the amount of internal PLU storage space
Stored Data Fields	› Part number per kit › Description per kit › Up to 25 different component PLUs › Finished box label format › Component part number › Component description › Component location › Component piece weight › Component required lower count limit › Component required upper count limit
Tare Entry	Push button tare, manually entered tare, or pre-stored tare found within the PLU data base

Base Sizes and Capacities	Three base sizes ranging from 2lb to 175 lb or 1kg to 80kg *(please refer to our ZK840 counting specification sheet)*
Legal for Trade	10,000 d single or multi-interval class III down rangeable *(each with three ranges of 10,000 d)*
Non Legal for Trade	100,000 d single or multi-interval *(down rangeable based on current ZK840 capacity offerings)*
Readability	3.5 million divisions
Digital Filters	Harmonizer filtering with adaptable constant filtering
Update Rate	100 Hz
Indicator Display	Touch screen with protective screen cover. Display type is an Improved Super Twisted Nematic (ISTN) Graphic Display: the green illuminated with black background 320 x 160 pixel display provides wide viewing angles and high brightness. Operator messaging, user prompts and graphics can be displayed on screen. A mode selection allows the image to be displayed in reverse image for applications that would benefit from dark characters with a clear/light contrasted background.

Operator Keys	ZK840 uses a touch screen display with six metal domed keys with audible feedback (*sample, tare, zero, setup, two custom keys)*

INPUT/OUTPUT

Remote Inputs	Three TTL or voltage free logic level inputs can be received for basic key functions or application program events
Standard Outputs	Three outputs can be used for system variable set points or in combination with application program events
Serial Ports	(2) Two serial ports: › Comm 1 RS232 full duplex with handshake › Comm 2 RS232 full duplex Manual and Auto print function Printer and scanner can share one RS232 port, with a custom application › Supports SMA, ENQ and NCI command response protocols and broadcast › Supports BSQ digital bench bases › Supports external expansion box for allowing other external option cards
USB /VCP *(Device)*	PC Connection *(uses one of the RS232 ports)*
USB Host	(2) Two USB Host ports *(found on the side of the indicator)* can be used for: › USB flash memory › Remote USB keyboard › Scanner › Printer
Ethernet	The Ethernet port can be configured to support ten independent devices. It supports DHCP, UDP Sockets, TCP/IP *(client or server)*, embedded web server, email, SMA, NCI, FTP, ENQ and Broadcast. Fieldbus Ethernet/IP™ and Modbus-TCP
Expanded Memory	Internal expanded data storage can hold up to 4GB extra storage data , ZK840 has one Micro SD slot that is compatible with most Micro SD cards from 4GB to 32GB
Options and Approvals	For full list of options please refer to the main ZK840 counting specification sheet *(AWT35-501705)*
Embedded Web Server	Designed to allow the ZK840 to serve up web pages to a web browser for easy access of data and control from other PC, tablet or mobile data devices

ZK840 PICK LIST RECIPE *Technical Specification*

Application Platform	This application program has been specially designed to work on both the ZK840 bench scale and ZM615 weight indicator.

Avery Weigh-Tronix

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