

ELANE Bar Manager Scale System



SPECIFICATIONS

Range	:	8 lb/3.5 kg
Accuracy	:	0.01 oz/0.1 g Mechanical overload protection
Accuracy	:	± 0.1 % of reading ± 1 digit
Resolution	:	0.1g (0.01 oz)
Minimum Weight	:	>1g (0.5 oz)
Min. Add-on Wt.	:	>0.1g (0.01 oz)
Power Consumption	:	Approx 0.35W ~ 0.40W
Power	:	AC Adaptor – 12V, 200mA (Supplied) USB Power when connected to the computer via USB cable (supplied) Can be operated on 6 x AA batteries for greater portability (not supplied)

Warm-up time	:	5 seconds or less
Display	:	2 lines with 16 characters dot matrix liquid crystal display and backlighting With clear protective Plastic Bezel and Yellow LED backlight when using adapter or USB power
Warm up display	:	Self Test for <5 seconds
Temperature	:	Good performance within 0 degree C to +40 degree C (32 degree F to 100 degree F)
Case & Platform	:	Fine texture ABS plastic
Load Cell Technology	:	Four element single strain gage with temperature compensation and overload protection
Load Cell Material	:	2024 – T4/T351 Aluminum Alloy
Memory	:	1 MB of Flash Memory
Interface Ports	:	Printer Interface (RS232) Scanner Interface (RS232) Keg Scale Interface (RS232)
Interface Cable	:	via USB
User Calibration	:	Using 50g- weight

FEATURES

Elane Bar Manager Inventory Scale is an intelligent system that determines the number of liquor servings and consumption out of all records entered in a Bar. The updated software version is also able to take inventories of liquors consumed in bottles like beers, sodas and other bar merchandize like cigarettes, snacks that also need to be accounted to the Bar. With its internal database and management function, the total liquor consumption during a bartender's shift can be determined by weighing all liquor bottles on the premises (full, open, empty) and use the intelligent software of the scale to summarize all drinks served. This smart scale with its software and accessories is competitively priced against various "toy-like" mechanical scales or counting scales which require a lot of time and manual entries and calculations to assess the results for determination of all drinks consumed in a certain time period. The scale electronics is most accurate and sophisticated electronic system using a 20-bit AD conversion, powerful 8-bit Microprocessor, surface mount components, high quality temperature compensated load cell and 2 lines of 16 digits each backlit dot-matrix LCD display.

The useful and profitable features of the scale include:

- ◆ Measures consumption and calculates number of drinks served out of all liquor bottle records in the bar by weighing of all opened bottles after a bar tender's shift or at any time interval desired to take inventory of liquor drinks
- ◆ Records consumption of other bar merchandize by input of current stock of this merchandize
- ◆ Stores bar records of different types (up to 200 records of each type) – Whiskey, Scotch, Rum, Cognac Brandy, Vodka, Tequila, Liqueur/Cordial, Other Liquor, Bottles, and Other Merchandize (for Bar Manager PRO) which are useful to use in measuring consumption and taking inventory of consumed drinks

- ◆ Stores bar records of different types (up to 200 records of each type) – Liquor, Wine Bottles, Alcoholic, and Non-alcoholic Bottles (for Bar Manager Inventory) which are useful to use in measuring consumption and taking inventory of consumed drinks
- ◆ Stores empty bottle weight (tare weight) records of different liquor brands
- ◆ Stores records for other bar merchandize for stock and inventory purposes
- ◆ Takes inventory of liquors consumed in bottles (i.e. beers, sodas, etc.) by manual input of number of bottles left in bar
- ◆ Takes inventory of other bar merchandize (i.e. packs of cigarettes, snacks, etc.) by manual input of number of bottles left in bar
- ◆ Provides search/view of all stored records and calculated data using the Search and Summary Display keys which in turn can be printed in the thermal printer for further review and analysis
- ◆ Provides summary of current liquor bottles in the system – by liquor brand or by bottle type
- ◆ Provides summary of consumed liquor bottles in the system – by liquor brand or by bottle type
- ◆ Provides summary of consumed merchandize or other items in the bar
- ◆ Automatically enters missing empty bottle weight (tare weight) upon check out of an empty bottle to complete the record for the particular brand of liquor
- ◆ Calculates specific gravity using full bottle weight, empty bottle weight, and full bottle content information of the specified liquor
- ◆ Programmable pourer weight – can be preset to determine the weight of the pourer – so there is no need to remove the pourer on a bottle with partial contents during inventory checking
- ◆ Programmable drink size (serving or shot size) to display consumed or remaining liquor by number of drinks or servings
- ◆ Programmable Bar ID – allows the scale be used in several bars for storing bottle records and taking inventories
- ◆ Programmable drink prices for premium, standard, and beer drinks which is useful when liquor serving price is categorized by these types
- ◆ Has a unique Setup Menu to initially program the scale for its location and provides ways of setting the units of measurement, time and date format, and other important scale settings
- ◆ The optional Bar Inventory Manager Scale Application Program is an easy to use computer application and provides more detailed reports and statistical analysis of the Bar Operations. It also provides a more convenient way to edit liquor bottle records and synchronize it with the Bar Inventory Manager Scale.
- ◆ Interface program which connects the scale to a PC via USB. It can download data from the PC and send data to the PC for permanent records, back-up and further analysis. Edited data on the PC can be synchronized back to the scale
- ◆ Interface program can load master list of liquor bottle and empty liquor bottle records in Excel file making it easier to add and edit records to load into the scale memory
- ◆ Can use optional barcode scanner to identify a liquor brand on the scale and transfer weight data automatically into the scale's database
- ◆ The optional data printer provides quick reports of weighing, consumption summaries and other important details, output or information from the bar

- ◆ Can use optional 70kg/150lb external platform (keg scale) to manage Beer Kegs with automatic switching to Beer Keg mode once the Keg Scale is turned on
- ◆ With the unit, we supply a calibration weight and user calibration software is included in the scale to compensate for different gravity values at its location and to check if the scale is in perfect condition
- ◆ With its USB connectivity, software updates can be downloaded from the PC into the scale
- ◆ Scale functions as a normal weighing scale when in default mode

The Bar Inventory Manager Scale is a sophisticated data management for use in bars. Its application is to monitor the change in weight of different kind of beverages in the bar. From this change in weight we can determine how much drinks were served and ultimately the equivalent cash can be calculated. So in short it is used to monitor the use or misuse of the drinks in the bar without direct personal supervision.

The system program with its optional PC based software acts as complete monitoring system. Basically the system can calculate the number of drinks poured in a certain shift or time period and accurately predict the cash register contents and provides many statistical data. The stand-alone scale without PC program can distinguish between standard and premium priced drinks.

Databases are employed to have fast access to all data of liquor brands in stock and through the scanning of barcode any bottle can be positively identified.

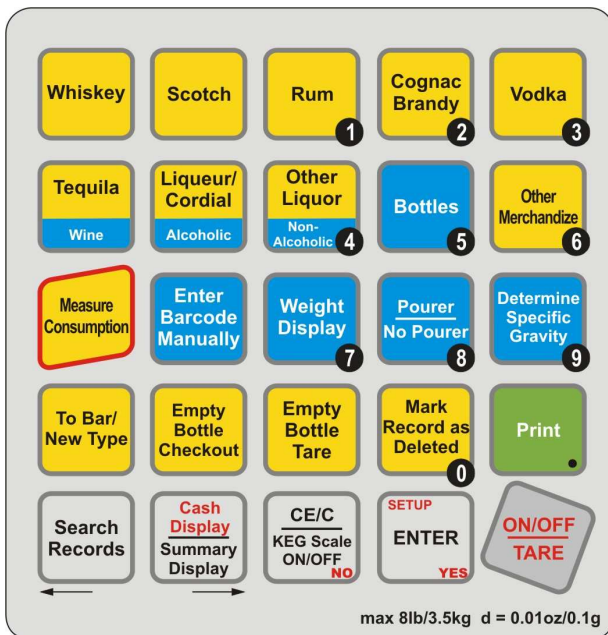
New liquor brands can be put into the bar and are automatically registered and assessed and the contents of the empty bottle are automatically entered as “consumed” into the database and the remaining poured drinks are automatically added to the quantity of consumed drinks in the database.

The updated software version also allows input of records for liquors and drinks that are consumed in bottles as well as for other bar merchandize that are consumed by piece. The scale can be used to manage stock and inventory of almost all bar items.

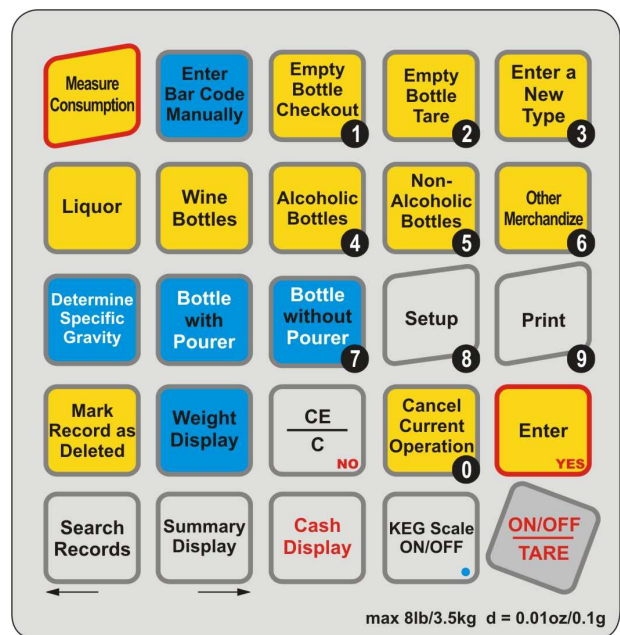
KEYS

Technology : Membrane, Domed Keyboard for Tactile Response
Quantity : 25

KEYBOARD LAYOUT



Bar Manager PRO



Bar Inventory Manager

Comparison Between Bar Manager PRO and Bar Inventory Manager Scales	
Bar Manager PRO	Bar Inventory Manager
Provides specific liquor types for bottle records to be saved in the scale – Whiskey, Scotch, Rum, Cognac Brandy, Vodka, Tequila, Liqueur/Cordial, Other Liquor Brands, Wine Bottles, Alcoholic and Non Alcoholic Bottles as well as other bar items or merchandize that are sold in the bar	Provides general liquor types for bottle records to be saved in the scale – Liquor Brands, Wine Bottles, Alcoholic and Non Alcoholic Bottles as well as other bar items or merchandize that are sold in the bar
Allows individual bottle tracking option – a future software update that will have the scale assign and print individual bar codes for each bottle in the bar so they can be tracked individually	No individual bottle tracking option
Can be upgraded to Bar Manager PRO II – requires hardware and software upgrade to include enhancements like USB Data Interface, USB Keg Scale Interface, USB Power, and Wireless USB Scanner support	No further hardware upgrade; software update is only available to release versions for bug correction and other enhancements as determined by Elane
Suitable for bars where bar inventory and stock inventory is to be performed	Suitable for bars that require simple stock and inventory system
Optional accessories can be purchased	Scale is priced and packaged with the following accessories: scanner and thermal printer

OPTIONAL ITEMS

1) Barcode Scanner (Wireless with RS232 Dongle or RS232-interfaced)

The barcode scanner is plug directly into the Bar Manager Scale (for RS232-interfaced models) while wireless models can send scanned bar codes to the scale within a 10-

meter range. Bar code scanner is used to instantly identify a bottle by reading its UPC or EAN code. This shortens the time for bar code input and also lessens errors caused by manual input of barcodes.



Wireless Scanner (using RS232 dongle)



RS232-interfaced scanner

Specifications:

Laser Type	650nm laser
Manner of Use	Portable or resting in bracket
Error Rate	1/1,000,000
Safety Standards	CDRH CLASS II, IEC CLASS II
Supported Barcode Types	UPC-A, UPC-E, Industrial 2 of 5, EAN8, EAN13, Code128, EAN128, Code39, Code93, Codabar125, and others
Interface	RS232 Dongle (Wireless), RS232-interfaced
Scanning Trigger	Manual or automatic trigger
Speed of Transfer	RS-232 baud rate: 2400-38400
Reading Width	60mm at 30mm distance from the object, 98mm at 100mm distance from the object
Resolution	0.10mm(4mil)
Depth of Field	10-420mm (pcs0.9, density 0.25)
Speed of Code Reading	45times/second
Precision of Code Reading	0.10-0.825mm
Distance of Code Reading	10-520mm
Induction Distance	23cm (250cm ²) 19.5cm(125cm ²) 8cm (small area)
Angle of Elevation for Reading	60°C
Angle of Obliquity for Reading	45°C
Operating Temperature	0°C~40°C
Storage Temperature	0°C~40°C

Operating Humidity	5%~93%
Storage Humidity	5%~93%
Power Supply	5V
Battery Capacity	600mAh (wireless)
Current Consumption (Idle)	less than 50μA
Current Consumption (In Use)	120mA
Current Consumption (Inactive)	30mA
Drop Test	100 times/1.5m
Intensity of Bearing Light	Sunlight 3.000lux max
EMI	In compliances with the EN50081.par1
EMS	In compliances with the en50082.par1
Dustproof and Waterproof	In compliances with IEC529, Ip42
Dimensions	112mm(length)*75mm(width)*200mm(height)
Materials	ABS+PC
Weight	224g(wireless), 210g(RS232)

2) Bar Manager Application Program

The PC Management Software is an easy to use Management program which will download the collected data of the scale. Since the scale can be battery operated, the PC does not need to be near the bar. The Bar Manager PC software and its database will store all data and allow editing of data and prices. It also allows easy input of new brands, back up and maintenance of the scale's internal data base. Additional reporting functions and statistical function with print out and export to other programs make this a very cost effective and simple complete Bar Management System. The PC program can also be updated via the internet once newer version or more UPC/EAN data are from our data base.

3) Thermal Printer for Data Printing

The printer is attached directly to the scale. It is useful and practical to print the measurement transactions as they occur, or print a complete record of the consumed drinks or a detailed report of the consumed drinks of the scale's database. All other reports and display can be printed on the thermal printer for record-keeping purposes and further analysis.



SPECIFICATIONS:

Type: Thermal Printer

Paper Width: 58mm

Paper Diameter: Max: 50mm

Print Speed: 40mm/s
Interface: Parallel/Serial
Print Head Lifetime: 50km

4) Beer Keg Scale

The floor based beer keg scale with 70kg (150lb) capacity is connected to the Bar Manager Scale with a interface cable which also provides power to the remote scale. Once a beer keg is placed on the floor scale the Bar Manager Scale will automatically recognize the presence of the beer keg and switch automatically to the "BEER KEG MODE". The data is then added to the drink consumption data base.



WARRANTY

One (1) year from date of sale to end-user against defect in manufacturing and materials

One (1) year free software updates by remote download or free download offered by ELANE for as long as you own the product if we discover significant technical improvements.