

# BX24S Weighing Terminal

Power & performance for every weighing application



## Main Features

- Stainless steel, IP67 protected for wet, hygienic and harsh areas
- SmarTrack color changing display, 16 digit alphanumeric info line, smart bar and programmable keys
- ID1, ID2, PT, limit value, APW memories each 500 items record
- Automatic memory linkage to IDs



## High Technology and Performance

- High resolution scales up to 999 999 display resolution
- Up to 800 conversion per second
- Application based smart bars
- Changing color for prompting
- Strong calibration features; (eCAL) electronic calibration & span correction of non-empty tanks



## Typical Applications

- Weighing and data collection
- Customized labelling with barcode
- Count by sample and APW memory
- Livestock and dynamic weighing with strong filters and algorithm
- Checkweighing, classifying & filling
- Specific tare entry requirement



## Communication & Peripherals

- Data protocols; printing via key, inputs and host command, continuous, BSI command for master-slave connection
- 2 optoisolated RS232C and RS485 serial ports are standard
- Mini USB port



The BX24 is a high quality, multifunctional weight indicator designed to provide reliable and accurate weighing performance in any type of industry. With its robust IP67 stainless housing and clear colour changing LCD display the BX24 can be used in the most demanding of environments. The multi-functional BX24 is ideal for applications including labelling, piece counting, checkweighing, classifying, filling and dynamic weighing of moving loads. To further increase its functionality and flexibility the display also features 2 programmable function keys that can be customised for quick and easy use depending on the application.

The BX24 has 2 IDs, preset tares, Average Piece Weight, and a memory of up to 500 items. The ID in the ID memory can be linked to set points, tares, and piece weights for fast, easy and reliable operations.

# Typical Applications

## 1. Labeling & data collecting

BX24S can print various tickets as standard including totals and customized ticket with barcode.

## 2. Piece counting

Counting can be done by sampling or average piece weight taken from AWP memory. 500 item memory capacity for APW.

## 3. Automatic / manuel checkweighing

The weight or the quantity of the items in the package on the scale are controlled. 500 item memory for limits set.

## 4. Automatic / manuel classifying

Products can be classified according to the weight or the quantity of item in the package. 500 item memory for limits set.

## 5. Automatic / manuel gravimetric filling

Automatic / manual filling can be executed in gross mode or in net mode. 500 item memory for limits set.

## 6. Livestock and dynamic load weighing

Weighing of dynamic items on the platform like livestock. This feature is also useful for static scales where vibration is a problem.

## 7. Data entry from barcode, card reader etc.

Barcode or RFID readers can be connected to the instrument to entry IDs, PT, APW etc.

Baykon A.S.  
www.baykon.com  
Istanbul, Turkey

23.02.2017  
09:16  
CN 34

OPERATOR  
JOSEPH SMITH

MATERIAL  
ASCORBIC ASID

G 4.772 kg  
T 1.675 kg  
N 3.097 kg

\* Thank you \*

Baykon A.S.  
www.baykon.com  
Istanbul, Turkey

Date 23.02.2016  
Time 09:24  
CN 54

OPERATOR  
JOSEPH SMITH

MATERIAL  
POLYETHYLENE

Tare 0.201 kg  
1 Net 0.599 kg  
2 Net 0.604 kg  
3 Net 0.600 kg

TOTAL  
Gross 1.803 kg  
Tare 0.201 kg  
Net 1.602 kg

\* Thank you \*



# BX24S Specifications

Accuracy class & EU type approval	Class III, single range, multi range or multi interval (*)		
Display	6 digits 22 mm in height weigh display and 16 digits 8 mm in height alphanumeric information display Wide angle LCD display with multicolor backlight		
Display resolution	Up to 999 999 division		
A/D conversion	24 bit Delta-Sigma ADC with up to 800 conversion rate		
Minimum input sensitivity	0.4 µV/d (legal metrology), 0.05 µV/d (industrial) (*)		
Analogue input range	-10 mV to +19 mV		
Internal resolution	Up to 16 000 000 counts		
Calibration	With test weights or electronic calibration without test weight.		
Digital filter	5 step adjustable digital adaptive filter and 5 programmable digital dynamic filter		
Functions	2 x ID data, ticket number, date & time, total indication ID1 & ID2 name definition as Customer, Material, Quality, Color, etc.		
Standart application	Labeling, piece counting, totalization of the sequential weighings, totalization of the additive items, livestock weighing, checkweighing, classifying, filling		
Memory	ID1 and ID2 memories, specific tare memory, limit values memory for weighing and piece counting, average weight of items memory for piece counting. Each record size is 500 items		
SD card	SD card slot for different applications		
Programmable keys	3 pieces programmable function keys		
Digital inputs	Optoisolated 4 inputs programmable for zeroing, taring, print, fieldbus controlled input, etc. Inputs are set automatically to their functions at checkweighing, classifying, filling etc.		
Digital outputs	Optoisolated outputs are programmable as cut off, field bus controlled put etc.		
Data output	Optoisolated 2 pcs RS232C and RS485 and USB		
Number of load cells	Up to 8 load cells 350 ohm or 27 load cells 1200 ohm		
Connection	Connection with 4 or 6 wires. Cable length maximum 1000 m/mm <sup>2</sup>		
Alibi memory	1 000 000 weighing records		
Operation temperature	-15°C ~ +55°C . Legal metrology -10°C ~ +40°		
Humidity	Max. 90 % non condensing relative humidity. Legal metrology max. 80 %		
Housing	Stainless steel, IP67		
Voltage supply	100 - 240 VAC, 50/60 Hz or 10 - 26 VDC		
<b>Options</b>			
Scale options	Digital 4 inputs / 5 outputs	Analogue output	Alibi memory
Accessories	Column mount kit	Wall mount kit	2D Wall mount kit

(\*) EC type approval is under process.

(Specifications are subject to change without notice. 01- 06/ 2016)