

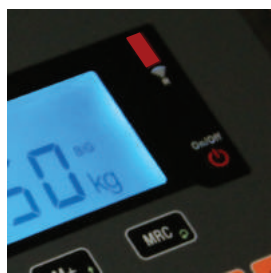
# BX25 / BX25D Weighing Indicator

For weighing processes and applications



## Main Features

- IP67 protected for wet, hygienic and harsh areas
- 2 platform connections & total scale
- Color changing display, SmartAPP & 16 digit alphanumeric info line
- User programmable 3 keys and 2 touch free keys for applications
- Data entry via barcode reader



## High Technology & Performance

- Up to 999 999 display resolution
- Up to 800 conversions per second
- Application based SmartAPP
- Changing color for prompting
- High capacity tank scales supported by eCAL - electronic calibration & span correction of non-empty tanks



## Typical Applications

- Weighing and data collection
- Customized labelling with barcode
- Counting by sample & APW memory
- Classification & Checkweighing at weighing and counting, filling
- Livestock and dynamic weighing with strong filters and algorithm



## 6 Memories Each With 500 Items

- 2 pcs ID1 & ID2 identification data
- Preset tare to enter specific tare
- Limit values memory for weighing and piece counting
- APW - Average piece for counting
- Item limits for check weighing and for classifying of packages
- Automatic memory linkage to IDs



## Integration & Connectivity

- Profibus, Profinet, CANopen, Ethernet TCP/IP, EtherNet/IP, EtherCAT, CC-Link, Powerlink, Modbus RTU, Modbus TCP, Analogue output and Digital I/Os
- Galvanically isolated, RS485, 2 RS232C serial ports and Ethernet TCP/IP are standard
- Mini USB port



BX25 & BX25D are high accurate, multifunctional weighing terminals which are used in wet, hygienic and harsh industrial areas. It can be connected to two weighing platforms and it has total scale.

These weighing terminals can be programmable for weighing, labelling, checkweighing, classifying, filling, piece counting and dynamic weighing applications. Three user programmable keys and two touch free keys can be set for user applications to provide practical and error free operation. Instruments have 6 pcs memories; ID1, ID2, preset tare, APW, item limit values; each have 500 records capacity.

BX25 & BX25D have important features for process weighings; strong calibration alternatives including electronic calibration (eCal) and various integration interfaces with PC or PLC via RS232C, RS485, Ethernet TCP/IP, Fieldbuses such as Profibus, Profinet, CANopen, EtherCAT, CC-Link, Powerlink, Modbus RTU, Modbus TCP, EtherNet/IP, Analogue output, Digital I/Os.

**BAYKON**  
Industrial Weighing Systems

# Typical Applications

## 1. Industrial Process Weighing Applications

Strong calibration options and various integration features including Fieldbus interfaces, provides perfect performance for tank, mixer, conveyor scales.

## 2. Labelling & Data Collecting

BX25 & BX25D can print different type of standard tickets including totalizing and customized tickets with barcode.

## 3. Piece Counting

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

## 4. Automatic / Manual Checkweighing

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

## 5. Automatic / Manual Classifying

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

## 6. Automatic / Manual Gravimetric Filling

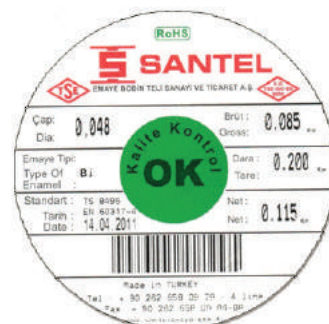
Automatic / manual filling can be executed in gross mode or in net mode. 500 item memory for sets of limits.

## 7. Data Entry Via Barcode, RFID Reader

Direct connection of barcode reader or RFID reader to enter IDs, PT.

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 *



# Technical Specifications

Model	BX25	BX25D
Accuracy class & EU type approval	OIML class III, single range, multi range or multi interval	
Display	Wide angle LCD display with multicolor backlight, 6 digits 22 mm in height weight display and 16 digits 8 mm in height alphanumeric information display.	
Display resolution	Up to 999 999	Please refer to the following digital load cells  Baykon BS063SD, BR200SD, BR030/32SD & Flintec RC3D
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	-5 mV to +19 mV	
Internal resolution	Up to 16 000 000 counts	
Calibration	Standard calibration test with test weights eCAL, electronic calibration without test weight, span adjustment of non-empty tanks	
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 Header definitions for IDs as customer, material, quality, color...etc.	
Standard applications	Labelling, piece counting, checkweighing, classifying, filling, totalization of the sequential weighing, totalization of the additive items, livestock weighing	
Memory	ID1 and ID2 memories, specific tare memory, item limit values memory for basic weighing, filling classifying and checkweighing, average weight of items memory for piece counting. Memory record size is 500 items	
SD card	SD card slot for different applications	
Programmable keys	3 function keys and 2 touch free keys	
Digital inputs	Opto isolated 4 inputs programmable for zeroing, taring, print, Fieldbus controlled input, etc. Inputs are set automatically to certain functions at checkweighing, classifying, filling etc.	
Digital outputs	Relay contact outputs are programmable as cut off, Fieldbus controlled output	
Data output	Galvanically isolated, 2 pcs RS232C and RS485 (with Modbus RTU), Ethernet TCP/IP and USB	
Number of load cells	Up to 8 load cells of 350 ohm or 27 load cells of 1200 ohm	Up to 24 digital load cells
Load cell connection	Connection with 4 or 6 wires. Cable length maximum 1000 m/mm <sup>2</sup>	RS485, BLDC Protocol Home Cable max. 300m
Operation temperature	-15°C ~ +55°C max. ( Operational ), -10°C ~ +40°C ( Legal metrology )	
Humidity	Max. 90 % non condensing relative humidity. Legal metrology max. 80 %	
Alibi memory	99 999 weighing records	
Housing and protection class	Desk top and wall type stainless steel, IP67 protected	
Power supply	100 - 240 VAC, 50/60 Hz or 12 - 28 VDC	
<b>Options</b>		
Scale options	Second analogue scale input, Alibi memory	
Interfaces	Digital 4 inputs / 5 outputs, Analogue output, Profibus, Profinet, CANopen, Modbus TCP, Ethernet TCP/IP, EtherNet/IP, EtherCAT, CC-Link, Powerlink	
Accessories	Column mount kit, Wall mount kit, 2D Wall mount kit	