BX25 Weighing Terminal

For weighing processes and applications

Main Features
- IP67 protected for wet, hygienic and harsh areas
- 2 platform connections & total scale
- Color changing display, SmartBar & 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 conversion per second
- Application based SmartBars
- 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 by weight and count, 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 Modbus RTU, Modbus TCP, Analogue output with Digital I/Os
- 2 opto isolated RS232C and RS485 serial ports are standard
- Mini USB port

The feature packed BX25 is a highly accurate, multifunctional weighing terminal that is ideal for use in harsh, wet and high hygiene areas. It features a clear colour changing screen for check-weighing and can be connected to two scales whilst showing the total weight.

The BX25 weighing terminal is 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. The instrument has 6 pcs memories; ID1, ID2, preset tare, APW, item limit values; each with 500 records capacity.

BX25 has important features for process weighing; 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, Modbus RTU, Modbus TCP, EtherNet/IP, Analogue output, Parallel I/Os.

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. Labeling & Data Collecting
BX25 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 AWP memory. 500 item memory capacity for APW

4. Automatic / Manuel 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 / Manuel 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 / Manuel Gravimetric Filling
Automatic / manuel 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, APW etc.

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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 *
```

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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
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TOTAL
Gross   1.803 kg
Tare    0.201 kg
Net     1.602 kg

* Thank you *
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SANTEL                   RoHS
Çap:  0.048    Brüt:  0.085
Dia:           Gross:
Emaye Tipi            Dara:  0.200
Type Of   Bi         Tare:
Enamel
Standart  TS 8095    Net:   0.115
Tarih     EN 60317-0 Net:
Date      14.04.2011

Kalite Kontrol OK

Made in TURKEY
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```
IBL    Ref : ICP3000007-16
       Des : Cap ceramic 225F 20% 10V X5R

DATE RECEPT : 13-10-15
DATE RETOUR : 16-12-15
NO ID : PG126
QTE : 131 pcs

MP15080451#ICP3000007-16Q131
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BX25 Technical Specifications

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
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	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 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	Opto 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
Load cell connection	Connection with 4 or 6 wires. Cable length maximum 1000 m/mm²
Operation temperature	Between -15°C ~ +55°C max.
Humidity	90% relative humidity
Alibi memory	1 000 000 weighing records
Housing and protection class	Stainless steel, IP67 protected
Power supply	100 - 240 VAC, 50/60 Hz or 10 - 26 VDC
Options	
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
Accessories	Column mount kit, Wall mount kit, 2D Wall mount kit