

Stand-alone Terminal  
for truck weighing scales



# BX65Plus Truck Scale Terminal



**BAYKON**  
Industrial Weighing Systems

# PC-free stand-alone truck scale terminal. Directly connectable to all scale accessories including surveillance IP cameras.

- ✓ Configurable menu up to 12 data entry
- ✓ User designed Weighing Ticket and Report
- ✓ 7" colour touch screen monitor
- ✓ Live monitoring the vehicle position via 2 x IP cameras
- ✓ Various integration options for ERP
- ✓ Automatic weighing with RFID Card Reader
- ✓ Customisable with your company logo at booting.
- ✓ Directly connectable peripherals:  
Traffic lights, Remote Displays, Position Sensors,  
PC keypad & Mouse, Road barriers, IP Cameras,  
Card Reader, Dot Matrix, Laser and Card Printer



## Operational Features:

- ✓ **Fully automatic weighing with RFID Medium Range (20cm) or RFID Long Range Reader (6m).**  
With an RFID card reader, information about the vehicle is recalled from memory, the stable weight is automatically read, the weighing ticket is printed and the data is stored
- ✓ **Weighing with code**  
Fast and low error risk operation by uploading pre-entered information including vehicle dead load with a code. Vehicle code can be entered with keys or via card reader.
- ✓ **Public weighing**  
Monitoring the number of weighings with the authorized password for weighbridges with paid weighing.

## Weighing Reliability

The BX65Plus has important features for reliable weighing:

- ✓ Checking vehicle position with sensors
- ✓ Live view of the vehicle on BX65Plus display with 2 surveillance IP cameras. This feature helps the scale operator to manage operation directly from scale room. Besides, IP Cameras allow the platform to be positioned far away.
- ✓ Controlling road barriers
- ✓ Time control between consecutive weighings of the same vehicle



## Data Management & ERP Integration

- 1) Records can be transferred to USB Stick
- 2) With BAYKON data Editor Software
  - Records are transferred to PC transfer as Excel file
  - Tables of product and tabular fields can be downloaded from PC to BX65PLUS.
- 3) Online direct transfer to SQL with WEB Service



## Quick & Easy Service

### Safe assembly

Thanks cable-free modular construction eliminating cable clutter and cabling faults. Safe operation, quick and easy servicing are ensured.

### Highly protected peripheral connection:

- ✓ Digital inputs and relay outputs are isolated.
- ✓ Serial communication ports are isolated.
- ✓ Surge arresters at the load cell connection for electrical discharge.
- ✓ 90-260VAC Switching supply with high voltage protection



### Self-checking Loadcell And periperal connections



- ✓ Ability to self-check the Serial Ports and Digital I/Os.
- ✓ Loadcell mV indication on display
- ✓ LOG file for interventions of setting including overloading.

### Replacement in minutes with backup

All settings, label and report formats can be backed up into USB memory. The scale can be put back into operation within minutes by restoring the backup folder.



### Remote Service



Thanks to BX65Plus VNC support, remote service such as scale calibration, ticket loading, settings entry, etc. can be made remotely over the Internet.



# Technical Specifications

Model	<b>BX65</b>
Accuracy class & EU type approval	OIML class III, single range, multi range or multi interval up to 10.000 division
Display	Active TFT 7" color LCD Touchscreen
Display resolution	Up to 500 000
A/D conversion	24 bit Delta-Sigma ADC
Minimum input sensitivity	0.4 $\mu\text{V}/e$ ( Legal for trade ), 0.1 $\mu\text{V}/d$ ( Industrial usage )
Analogue input range	-5 mV to +19 mV
Internal resolution	Up to 16 000 000 counts
Keyboard	Softkeys with Tare, Clear, Zero, Print and Functions
Status annunciators	Gross, net, motion, center of zero, units
Conversion rate	Up to 1600 conversions per second
Operation system	Windows CE
Calibration	Calibration with test weights, eCal- Electronic calibration without test weights, Zero adjustment, Gain adjustment, Coefficient entry
Digital filter	5 Adjustable adaptive digital filter
Scale functions	Taring, zeroing, auto zero tracking, motion detection, auto-zero at power-up, automatic taring, automatic clear, automatic print
Standard application software	Basic weighing ( BX65 - Basic ) Truck Scale ( BX65 - Truck ) Labelling & Data Collection ( BX65 - Label ) Milk Collection Scale ( BX65 - Milk ) Net weight control ( BX65 - SCQ ) Customized software solutions ( BX65-Custom )
Languages	English, German, French, Spanish, Italian, Arabic, Russian, Hebrew, Turkish
Interface	2 x USB, RS232C, Centronis Parallel Port, Ethernet TCP/IP ( 10 / 100 )
Digital I/O (Optional)	4 digital isolated inputs / 4 digital relay outputs
Load cell excitation	5 VDC, max. 125 mA
Number of load cells	Up to 8 load cells 350 $\Omega$ or up to 24 load cells 1150 $\Omega$ (min. 43 $\Omega$ )
Load cells connection	4 or 6 wire technique, cable length 1000 m/mm <sup>2</sup> for 6 wire connection
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 %
Enclosure	Stainless steel, Desk & wall type, IP30 & IP67
Power requirement	90 - 240 V AC, 50 / 60 Hz or 11-28VDC

## Connectable Peripherals



Traffic lights



Position sensors



Printer



PC Keyboard & Mouse



Remote Display



IP Camera



RFID Card



Road Barrier

## Dimensions (mm)

