

BX27 Weighing Indicator

Big display at industrial weighing



Features

- Up to 999.999 display resolution
- 16.000.000 internal resolution
- Electronic calibration (eCAL) without test weight
- Programmable via PC



Outdoor Usage

- Sun visor (standard)
- Serial interface via RS-232C, RS-485 or 20mA Current Loop
- Stainless steel robust housing

BX27 designed for industrial weighing applications to provide long distance reading such as crane operators working with scale or as outdoor big display for weighbridges with BAYKON PC software.

It has stainless steel robust housing for heavy industrial environment and outdoor usage with standard sun visor. It has LED display 57mm digit height. Key functions executed with keys on front panel, remotely via cable and through serial interface.

BX27 can be configured up to 999.999 display resolution and offers serial interfaces RS-232C, RS-485 or 20mA CL.

BX27 Specifications

Accuracy

Linearity	% 0.0015 FS
Temperature coefficient	≤ 2 ppm/°C

Display and Keyboard

Display	6 digits, 7 segments, LED red, 57 mm high
Status annunciators	Gross, Net, motion, centre of zero, 1. Range, 2. Range
Keyboard	7-key

A/D Converter

Type	24 bit Delta-Sigma ADC
Conversion rate	Up to 1600 measurements per second
Min. input sensitivity	0,1 µV per interval
Analogue input range	- 18 mV to +18 mV
Resolution	Internal up to 16.000.000; display up to max. 999.999 counts

Scale Calibration and Functions

Calibration	Standard: By etalon weights via keys or serial port via IndFace1x software eCal: Electronic calibration without etalon weights
Digital filter	10 steps programmable adaptive filter
Weighing functions	Tare, zeroing, auto zero tracking, motion detection, auto-zero at power-up.
Other functions	Label number, gross, tare indication
RS-232C	1200...57600 baud, programmable Continuous, Printer, BSI (Baykon Serial Interface) protocol
RS-485 20mA CL	1200...57600 baud, programmable, up to 31 units on the RS-485 bus Continuous, Printer, BSI (Baykon Serial Interface)

Loadcell Connection

Excitation	5 VDC max. 300mA
Number of load cells	Up to 6 load cells 350 Ω or 18 load cells 1100 Ω in parallel
Connection	4 or 6 wire technique. Cable length 274 m/mm ² for 6 wire connection

Environment and Enclosure

Operation Temperature	-15°C to +55°C; %85 RH max., non - condensing
Enclosure	Wall type, Stainless steel Front panel IP65. 18 cm x 47 cm x 7 cm
Power requirement	100 - 240 VAC, 50 Hz, 500mA 24 VDC, 1.5A

(Specifications are subject to change without notice. 04 / 2016)

