BX10 Weighing Terminal

Beyond the basic weighing

OIML CE IP65

Features
- 16.000.000 internal resolution
- Big LED display
- Programmable via PC
- RS-232C serial interface
- Ergonomic design with small size
- 2 pcs programmable digital In/Out

BX10MB has Additionaly;
- RS485 port with Modbus-RTU

Powerful Calibration
- Calibration with test weight
- eCal Electronic calibration
- Calibration via serial interface
- Span calibration under load

BAYKON BX10 is a state-of-the art indicator for industrial weighing applications. It has standard RS-232C serial port and 2 digital port which are programmable as input or output.

Powerfull calibration options including eCal electronic calibration without test weights supports easy and fast start up and service. BX10 is featuring adaptive digital filtering for fast settling, display resolution up to 999.999 with extremely stable indication and up to 1600 conversion per second speed.

It's small size aluminum body provides perfect panel installation with small space in control panels. Its large 13,5 mm red LED display provides easy reading from far distance.

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Industrial Weighing Systems

BX10 Specifications

Accuracy

Accuracy Class	OIML Class III
EU Type approval	10.000 division
Linearity	% 0.0015 FS
Temperature coefficient	≤ 2 ppm/°C

Display and Keyboard

Display	6 digits, 7 segments, red, 13,5 mm high
Status annunciators	Gross, net, motion, centre of zero, unit
Keyboard	5-keys (function, GN, tare/clear, zero, print)
Key lock	Keys can be locked against unauthorized access

A/D Converter

Type	24 bit Delta-Sigma ratiometric ADC
Conversion rate	Up to 1600 measurements per second
Minimum input sensitivity	0.4 µV/d (Approved); 0.1 µV/d (Non approved)
Analogue input range	0 mV to -18 mV (unipolar); -18 mV to +18 mV (bipolar)
Resolution	Internal up to 16.000.000; up to 10 000 increment (Approved); up to 999 999 increment (Non approved)

Calibration and Programming

Calibration	eCal: Electronic calibration without etalon weights sCal: Span calibration of non-emptied tanks
Digital filter	10 step adjustable adaptive digital filter
Weighing functions	Tare, zeroing, auto zero tracking, motion detection, auto-zero at power-up.
Other functions	Label number, gross, tare indication.

Interface

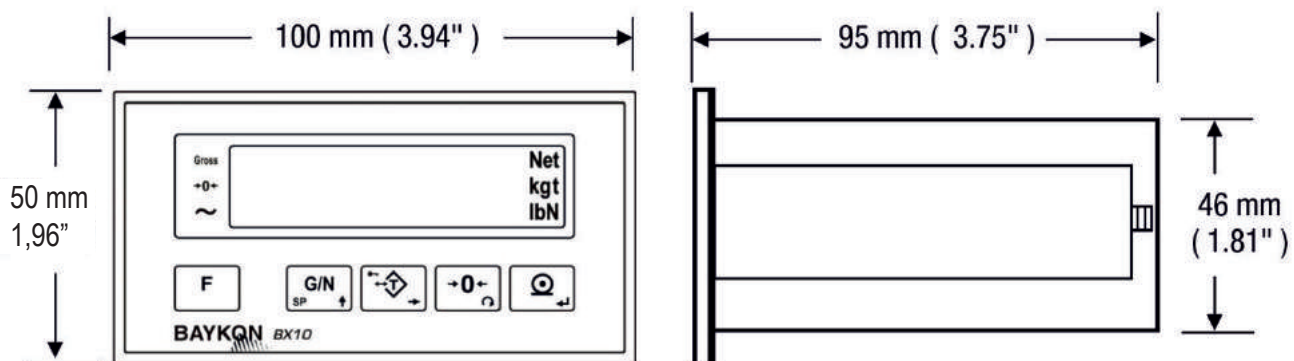|	
I / O port	2 ports can be programmed as digital input or digital output, non-isolated
RS-232C seri port	1200 to 115200 baud, programmable Continuous, Printer, BSI (Baykon Serial Interface) protocol
RS-485 seri port	1200 to 115200 baud, programmable, 8 none 1, 7 even 1, 7 odd 1, 8 even 1 or 8 odd 1, up to 31 units on the bus
Modbus RTU	1200 to 115200 baud, 8 none 1, 8 even 1 or 8 odd 1, up to 31 units on the RS-485 bus

Loadcell Connection

Excitation	5 VDC, max. 300 mA
Number of load cells	Up to 8 load cells 350 Ω or up to 24 load cells 1100 Ω (min. 43 Ω)
Connection	4 or 6 wire technique. Cable length 1000 m/mm² for 6 wire connection

Environment And Enclosure

Operation temperature	-15°C to +55°C
Enclosure	Panel type, aluminum body, plastic front panel, stainless steel rear panel 48mm x 96mm panel size; 100mm depth
Power Requirement	12 - 28 VDC, max. 300 mA

BX10 Variants

BX10	:	RS-232C, 2 pcs progmmable digital input and output.
BX10 MB	:	Modbus RTU on RS–485 or RS-232C, 2 pcs programmable digital input and output.

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