

BX1(D) Digital Weighing Indicator

Designed for digital load cells



Features

- Digital load cell interfacing
- OIML 10000e and 2 x 6000e approved
- 20mm LED display
- Standard RS-232C port



External Programming

- Easy programming and calibration via RS-232C port by BAYKON "INDFACE" software.
- Header and footer for label can be uploaded from PC.



System Integration

- 2. serial port RS-232C
- 3. serial port RS-485 RS-232C or 20mACL
- Modbus RTU / TCP
- Opto-isolated parallel 3I / 3O

BX1(D) Digital Weighing Indicator is the digital load cell version in the BX-Indicator family, specifically designed to be connected to Flintec RC3D load cells.

The instrument is approved by Weights & Measures Authorities for use in Accuracy Class III applications with 10000 and 2x6000 intervals according to OIML R76. Large 6 digit LED weight display (red 20 mm) with status information.

With a wide variety of interface options and various calibration features, BX1(D) is a perfect fit terminal for digital weighing systems, i. e. weighbridges with indicator and PC.

BAYKON
Industrial Weighing Systems

BX1(D) Specifications

Accuracy	
Accuracy Class	III
EU Type approval	10.000 intervals (single range) or 2 X 6000 intervals (multi range)
Display and Keyboard	
Display	6 digits, 7 segments, LED red, 20 mm high (Panel type 14 mm high)
Status annunciators	Gross, net, motion, centre of zero, weighing ranges, information, power, unit
Keyboard	8-key membrane, with tactile feedback
On / of switch	Yes
Key lock	Basic weighing related key can be locked against unauthorized access
Digital Load Cell Interface	
Communication & protocol	RS-485, Compatible with RC3D load cell
Excitation	12 VDC, max.600 mA
Number of digital load cells	Up to 10 digital load cells (internal power) or 16 digital load cells (external power) in parallel
Connection	4 wire technique. 2 wires for digital interface and 2 wires for power supply
Scale Calibration and Functions	
Calibration	Standard: Calibration is performed by etalon weights. eCal: Electronic calibration without etalon weights
Corner adjustment	Automatic corner adjustment
Digital filter	5 step adjustable digital adaptive filter
Weighing functions	Tare, zeroing, auto zero tracking, motion detection, power on zero
Other functions	Label number, total, gross, tare indication
Set points	3 set points, programmable (I/O board is an option)
Tilting	Inhibits weighing when scale is tilted (needs I/O board option)
Serial interface	RS-232C, 1200...57600 baud, programmable
Alibi memory	Optionally available; 74880 records or 149760 records
Communication	
Serial interface	RS-232C, 1200...57600 baud, programmable
Environment and Enclosure	
Operation temperature	-10 °C to +40 °C legal for trade;
Humidity	85% RH max, non-condensing.
	Stainless steel
Power Supply	
230 VAC, 50/60 Hz (max. 12 VA)	●
Options	
2nd Serial interface (RS-232C)	○
2nd Serial interface (RS-232C) and 3rd Serial interface (RS-232C/RS-485/Modbus RTU)	○
Binary output of displayed weight (17 - bit code)	—
3 Setpoints	○
Opto-isolated digital inputs (24 V) and Opto-isolated digital outputs (open emitter)	○
Mounting Parts	
Wall mount kit	●
Stand mount kit	○

(1) Not available for battery equipped instruments

● standard version ○ optionally available — not available

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