Digital LC Indicators & Terminals

Future technology in industrial weighing

Increased Productivity

- European/OIML Approval OIML R60, class III
- Wide angle LCD display with multicolor backlight or touch screen TFT Color LCD
- Desktop, wall or panel type stainless steel enclosures
- Eliminated analoque convert and spoiling influences
- Lightning & Surge Voltage Protection
- Wide integration & connectivity options

Easy to Use & Fast Maintenance

- Simply scale setup, fast and smart calibration & corner adjust
- Easy and fast error detection, simplifies service
- Proactive monitoring of diagnostic information from individual cells
- Supports up to 20 cells of digital load cell network
- Approved alibi memory
- Excellent weighing functions
- Advanced applications such as truck scale, silo weighing, data collecting etc.

BAYKON BX2nD / BX3nD / BX6nD digital LC indicator / terminal series designed for use with Baykon brand digital load cells. They are provides the industry's highest accuracy and reliable weighing in tough industrial environments. All models have European/OIML R60 Class III approval.

The digital system; eliminate possible errors which can occur with standard analogue load cell scales such as temperature, nonlinearity, hysteresis, electromagnetic effects and voltage variation. Weighing is blocked in case of load cell is broken or system errors. This information allows a technician to analyze the scale's health and, in the unlikely event of a failure, quickly find and replace the failed component to get the system up and running just minutes.

BAYKON BX2nD / BX3nD / BX6nD indicators or terminals equipped with excellent weighing functions and advanced applications such as truck scale, basic filling, heavy capacity weighing, labelling, data collecting etc.

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Comparison Chart

Model	BX23D	BX24D	BX25D	BX30D	BX30D Plus	BX65D	BX66D
Accuracy class & EU App.	OIML R60, class III, single range, multi range or multi interval						
Display type	Wide angle LCD display with multicolor backlight					Active TFT Color LCD, 7 inc. with touch screen, 800 (H) x 480 (V) Pixel, RGB Stripe	Active TFT Color LCD, 10.1 inc. with touch panel, 1024 (H) x 600 (V) Pixel, Display Color 262K
Weight display	LCD 6 digits 22 mm height						
Information display	16 digits 8 mm height, alphanumeric						
Connectable peripherals	Remote Display	Receipt & label printers, barcode scanners, remote display				PC keypad & mouse, receipt & label printers, barcode scanners, remote display and IP cameras (BX66)	
Max. Indicated resolution	100,000 divisions						
Keypad	Functional 10 keys	Functional 22 keys		6 + 5 navi. keys	16 + 5 navi. keys	Touch screen softkeys or USB keyboard connection	
Calibration	Standard calibration with test weights eCAL: electronic calibration without test weight and span adjustment of non-empty tanks						
Digital filter	5 step adjustable adaptive filter and programmable dynamic filter					10 step adjustable adaptive digital filter	
Weight functions	Taring, zeroing, auto zero tracking, motion detection, auto zero at power up, tare status save at power off, increased resolution, automatic tare and clear, temporary gross indication, unit change						
Advanced functions	-	2 x ID data, ticket number, date & time, total indication, ID1 & ID2 header definition as Customer, Material, Quality, Color, etc.		500 item limit values Each item has 5 pcs free programmable set points in the memory	ID1 and ID2 memories, specific tare memory, item limit values memory. Each memory record size is 500 items	Automatic & manuel data export, Data transfer to USB memory Web service understructure enables SQL level transfer (BX66)	
Standard applications	Labelling, free setpoints, functional digital outputs, livestock weighing	Labelling, piece counting, totalization of the sequential weighing, totalization of the additive items, livestock weighing, checkweighing, classifying, filling		Labelling, livestock weighing and free setpoints, basic peak hold, functional outputs	Additional BX30; checkweighing, classifying, filling, peak hold, totalization of the sequential weighing & additive items	Basic weighing, Truck scale	Basic weighing, Truck scale, Formulation, labelling & data collection, SQC-net weight control
						Custom tailored software solutions	
Digital load cell connection	Up to 24 digital load cells (legal trade scales), max. 24 load cells (industrial weighing applications)						
Compatible Load Cells	BAYKON BR030SD / BR032SD and Flintec RC3D models (legal trade scales), BAYKON BR063SD / BR200SD						
Alibi memory	Up to 1.000.000 records, loop memory						
Environment	Operation temperature -10 °C to + 40 °C (legal for trade) Humidity; 85% RH max, non-condensing						
Housing & protection class	Desk top and wall type stainless steel, IP67 protected			Front panel stainless steel, IP67 protected		Desk top, stainless steel, IP32	
Power supply	100 - 240 VAC, 50/60 Hz or 12 - 28 VDC			12 - 28 VDC		90 - 240 V AC, 50/60 Hz	
Sizes (W x H x D) mm	Desk type : 250 x 180 x 85 Wall type : 260 x 200 x 64			Panel type : 205 x 108 x 113		250 x 180 x 93	250 x 180 x 93
Interfaces	RS232, RS485, Digital I/O, Analogue output, Profibus, Profinet, CANopen, Modbus TCP, Ethernet TCP/IP, EtherNet/IP, EtherCAT, CC-Link, Powerlink					2 x USB, 2 x Serial (RS232C / RS485), 1 x Ethernet, 1 x Parallel	

Typical Connections

Digital Load Cells Network (Max. 20)

* Digital Junction Box (BDS)

Home Run Cable (BLCC, Max. 300 m)

Lightning Protection & Power Supply Unit (LPK - 24)

BX2nD / BX3nD / BX6nD Indicator or Terminal

FieldBus

PLC / DCS

Communications

Serial / Ethernet

PC / ERP

* Note: This connection for BAYKON BR063SD, BR200SD, BR030SD digital load cell models. The junction box is not used if you are using BR032SD model.

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(Specifications are subject to change without notice. 02- 07 / 2018)