MagicFORKS®

Turn your forklift into a weighing station

Completely Wireless
• No cables; easy and quick installation
• Transportable from one forklift to another in minutes
• Certified Class I, Bluetooth 2.1 + EDR wireless technology

Flexible Weighing Operation
• User configurable Weighing Menu, Label and Report
• Totalizing mode with total ticket
• Tilt control option to detect oblique position
• Peripherals; Barcode/RFID Readers, Printer, Remote Display, Tower Lamp, USB Flash

Powerful Data Integration
• Web Service for online transfer to SQL Server
• Data Editor software for file transfer to PC
• Data export to USB Flash as Excel file

Efficient Power Management
• Forks powered by chargeable Li-Ion battery pack
• 65 hours continuous operation
• Operation for weeks without charging with auto sleep and battery shutdown
• Battery status indication

Replacing your existing forks with our high quality **Magic**FORKS® adds Weighing, Labelling and Data Management functions to your forklift. A complete wireless design enables quick and easy installation in minutes and transportability from one forklift to other.

The BX07MD terminal offers a customisable weighing menu and ticket design with barcodes. Transaction data can be entered easily via touchscreen or wireless Barcode, RFID readers. Optional tilt sensor to measure actual inclination provides correct weighing and shows tilt angle. Weighing records are saved in the terminal and can be transferred online or via file transfer to your ERP.

Powerful Li-Ion battery packs provide up to 65 hours continuous operation. Efficient power management supported by automatic sleep mode and battery shutdown ensures weeks of operation between charges.

BAYKON
Industrial Weighing Systems

BX07MD Industrial Terminal

Stainless steel, 7" color touchscreen monitor
Sealed connectors and glands, IP67 protection

Interfaces:
Standard : 2 x USB, RS232C, Ethernet TCP/IP
Optional : Ethernet Wi-Fi

Flexible Weighing Operation

Configurable User Friendly Operation

- Weighing Menu, Weighing and Total Tickets, and Reports, are all user configurable.
- Standard Weighing, Additive and Serial Totalizing modes are selectable by user.
- For Totalizing mode, Total Sum Ticket or Total Detailed Ticket can be printed.
- Weighing Ticket and Total ticket with barcode are configured on the PC using BAYKON Label Software and downloaded via USB memory stick.

- Easy operation with 7" color monitor.
- Data entry via touchscreen keypad, by selecting from user defined tables, with wireless Barcode/RFID readers and optional external mini PC keypad.
- Manual Taring by Tare key and preset tare
- Tare can be linked to pallet, package type, or product for automatic taring.
- Relay Output for Overload warning.

Connectable Peripherals

- Tilt Sensor with angle measurement
- Wireless Barcode/RFID reader
- Text or Label printers
- Remote display with cable or wireless
- Overload Warning Tower lamp
- USB flash memory
- External PC keypad


```
Time         = 06:10:15
Date         = 01/06/2020
CN           = 259
Customer     = BAYKON
Product      = BX23
Driver       = JOHN
Color        = WHITE
Destination  = PARIS
Price        = 25
----------------------------
Tare         = 3035 kg
Net          = 2640 kg
Gross        = 5675 kg
----------------------------
```

13 2 1 4 1 2   3 4 1 2 3 9 2

```
Time         = 06:10:15
Date         = 01/06/2020
CN           = 259
Customer     = BAYKON
Product      = BX23
Driver       = JOHN
Color        = WHITE
Destination  = PARIS
Price        = 25
----------------------------
Item   Tare    Gross   Net   (kg)
  1    1270    2455    1185
  2    1765    3220    1455
----------------------------
       3035    5675    2640
----------------------------
```

24 3 2 5 2 1   3 1 3 3 5 8 3

Powerful ERP Integration

Diverse Data Integration

Records in BX07MD terminal are exported to ERP systems with the following options:
- Direct transfer to SQL Server via Web service
- Offline file transfer to a PC as Excel file with BAYKON Data Editor Software
- As Excel file via USB Memory Stick.
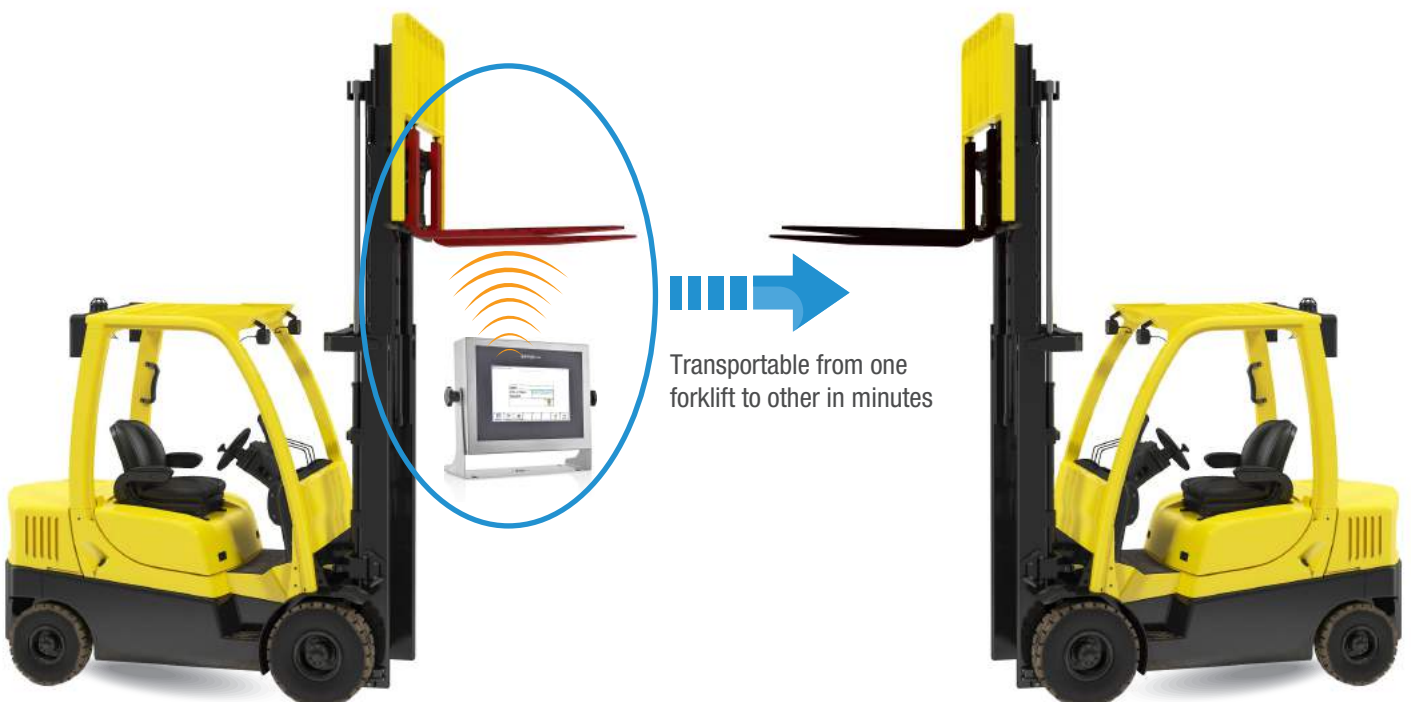
Completely Wireless

Bluetooth®

- No cables; easy and quick installation
- Certified Class I, Bluetooth 2.1 + EDR wireless technology
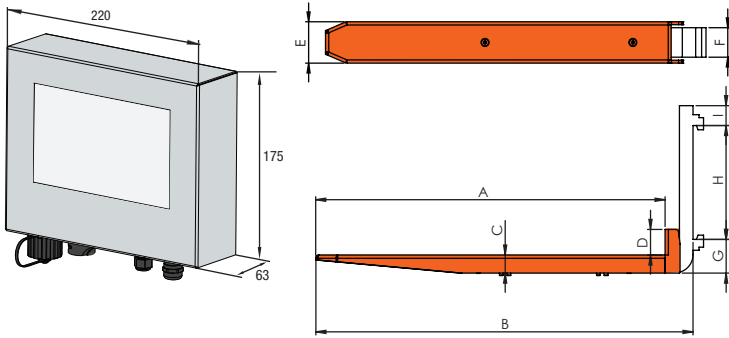
Efficient Power Management

- Forks powered with chargeable Li-Ion battery pack
- 65 hours continuous operation
- Operation for weeks without charging with auto sleep and battery shutdown
- Battery status indication on BX07MD display

Transportable from one forklift to other in minutes

Technical Specifications

Specifications

Specifications	
Capacity x increments	2500 kg x 1kg / 3000 kg x 1 kg / 5000 kg x 2 kg *** Refer to loading center tables and graphics below**
Accuracy	0.1% of lifted load
Calibration	Zero & Span, Electronic calibration (eCAL) without test weight
Forks	Vetter GmbH (www.vetter.com)
Overload	%150 FS
Internal communication	Class1, Bluetooth 2.1 + EDR End
BX07MD Terminal	
Housing	Stainless steel, IP67 protected
Display	7" color TFT touch screen monitor
Weighing modes	Standard Weighing, Serial & Additive Totalizing
Software	User configurable Weighing Menu, Label and Report
Label	Up to 3 selectable label with barcode, Summary and Detailed total tickets
Overload indication	RED color display indication & Relay Output
Standard interfaces	RS232C, 2xUSB
Optional interfaces	Ethernet WiFi, Digital 4 I /4O (Relay)
Connectable peripherals	Tilt Sensor, Text & Label Printer, Barcode/RFID reader, Remote Display, Tower lamp, USB Memory, External PC keypad
Data transfer	Direct transfer to USB Memory File transfer to any PC via Data Editor Software Online transfer to SQL Server via Web Service
Power supply	10V-28V (BX07MD VDC2) , 20V-72V (BX07MD VDC4)
Battery Pack	
Battery pack	For each fork ; Stainless steel Li-IoN Batterie, 7,4V 5400mA
Auto sleep	Time programmable with battery automatic shutdown
Operation period	65 hours continuous, operation for weeks without charging
Battery chargher	For Dual Batteries

Sizes (mm)

* Capacity - Load Center tables
Tables and graphs are given for per fork.

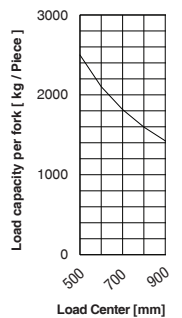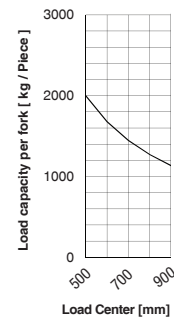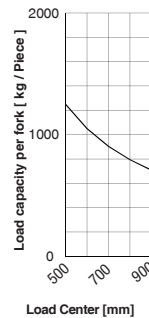Nominal Load Capacity Per Fork Arm - Total Capacity 2500 kg

Load center of gravity distance (mm)	500	600	700	800	900
Load capacity (kg):	1250	1049	904	794	708

Nominal Load Capacity Per Fork Arm - Total Capacity 3000 kg

Load center of gravity distance (mm)	500	600	700	800	900
Load capacity (kg):	2000	1679	1446	1271	1133

Nominal Load Capacity Per Fork Arm - Total Capacity 5000 kg

Load center of gravity distance (mm)	500	600	700	800	900
Load capacity (kg):	2500	2103	1815	1596	1425

	A	B	C	D	E	F	G (FEM A/B)	H	I
2.5 t	1160	1250	60	175	140	100	76-152	418	68
3 t	1160	1250	60	175	160	125	76-203	518	70
5 t	1160	1265	75	175	175	140	76-203	518	70

Dealer:

BAYKON
Industrial Weighing Systems

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