



# FM18 + XSB Floor Scale

## Precision Heavy Duty Floor Platforms



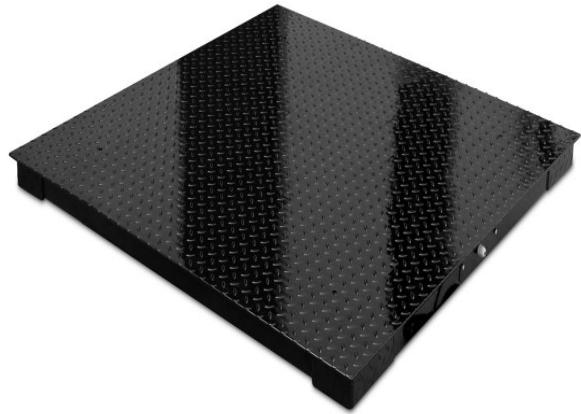
**FM18** rewrites the requirements of being a powerful indicator. It contains nearly all the features and functions which static and simple dynamic industrial weighing applications need.

Equipped with a 24 bit Low-Noise  $\Delta$ - $\Sigma$  Analog-to-Digital Converter, special linearity compensation method plus all other state-of-the-art technologies applied. These enable **FM18** to provide fast, stable and almost error-free weighing result anytime when needed.

True 6-wire load cell compensation system, easily drive up to 8 x 350  $\Omega$ , runs at 1.6 million internal counts plus all the built-in function, these are the foundation which make **FM18** good for nearly all static and mid to low speed dynamic weighing applications.

### FUNCTIONS

- Weighing
- Checkweighing Function
- Piece Count Mode with Check Function
- Percentage Mode with Check Function
- Animal Weighing
- User Programmable Check Functions Buzzer Output
- Memory Accumulation
- Pre-set Tare
- Independent and User Programmable Print Format for Weighing, Piece Count, Percentage Mode
- Independent and User Programmable Data Format for Checkweighing, Piece Checking, Percentage Checking
- Built-in Inflow and Outflow Control Logic
- Built-in Near Zero Logic for Dynamic Weighing Applications
- Support Ticket and Label Printing
- Support Q&A with other Peripherals
- Support Direct Control by External Peripheral



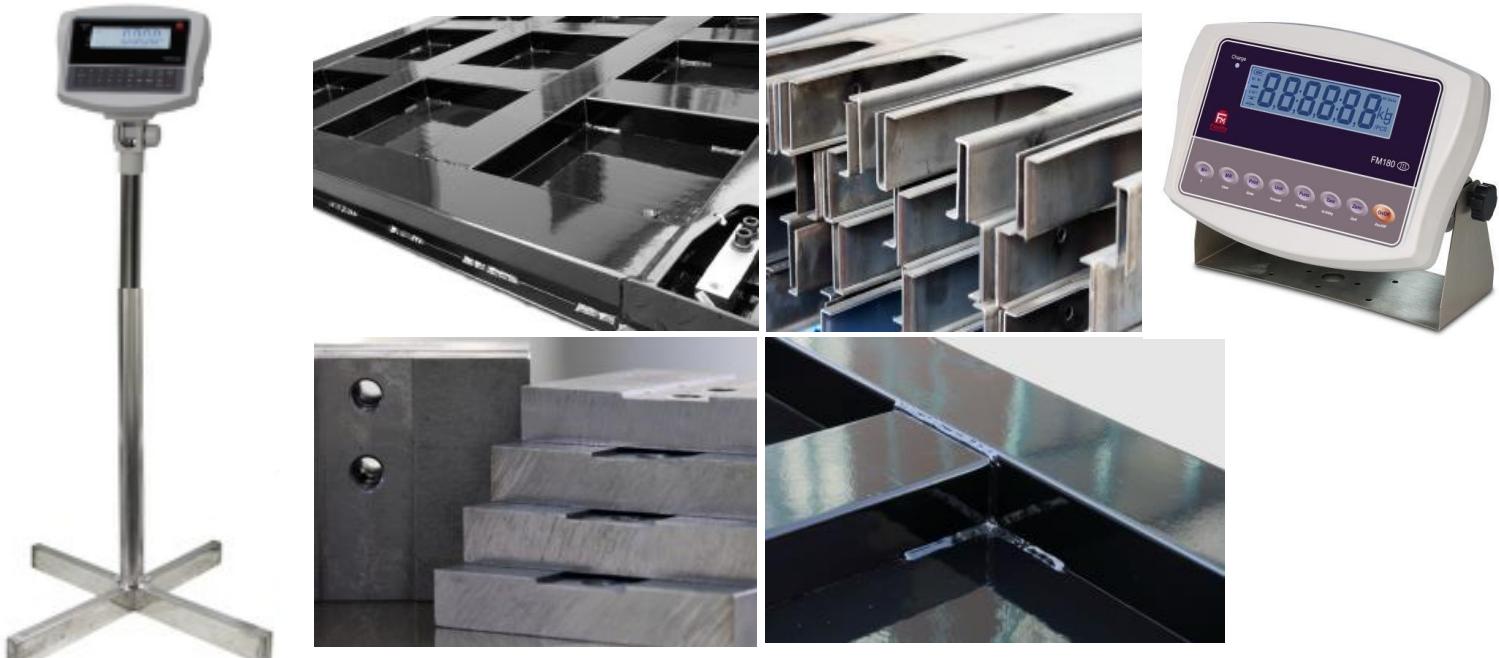
### User Selectable Parameters: -

- ◆ 6 x Auto Power Off Time
- ◆ 4 x Filter Intensity Mode
- ◆ 3 x Backlight Mode
- ◆ 2 x Selectable Auto Tare Function
- ◆ 4 x RS232 Data Output Baud Rate
- ◆ 4 x Output Mode
- ◆ 3 x Data Format
- ◆ 3 x M+ Mode
- ◆ 3 x Data Output Mode
- ◆ 4 x Data Transmission Time Interval
- ◆ 8 x Number of Print Copy
- ◆ 6 x Output Band Rate
- ◆ 7 x Initial Zero Range
- ◆ 7 x Manual Zero Range
- ◆ 6 x Auto Zero Tracking Range
- ◆ Bi-Directional Communication Through RS232 or TTL Interface

**XSB** is designed & built to meet a wide range of heavy traffic & high resolution industrial applications up to 6000kg.

It delivers un-exceptional reliability, accuracy and skin smooth performance to meet weighing, batching and counting needs.

***Versatility, Functionality and Accuracy are always Built-in***



## KEY FEATURES

- 24 bit Low-Noise Delta to Sigma to Delta ( $\Delta-\Sigma$ ) Analog-to-Digital Converter
- Support Single or Dual Weighing Range Mode
- Free Capacity and Division Setting
- kg & lb Conversion (Single Weighing Range Mode only)
- True 6-wire (with Remote Sense) Load Cell Compensation System
- Power up to 8 x 350Ω Load Cells or 16 x 700Ω Load Cells
- Supports 4-wire and 6-wire Load Cell Connections
- Real Time Clock
- Linearity Compensation ON or OFF
- Independent Zero Calibration.
- Auto or User Programmable Odd Weight Calibration
- Calibration and Metrological Control / Access by Hardware or Software
- Non-Resettable Trailer Count to Record Calibration and Metrology Parameters Changes.
- Gravity Compensation via Key Board
- 6 x 1-inch Wide Angle LCD Numeric Digits
- Capacity Tracking Bar to Show Applied & Remaining Weighing Capacity
- Battery Protection Features and Circuits
- Equipped with RS232, TTL Relay Output, Wireless Communication Interfaces/TTL RS232
- Backlight, Rechargeable Battery, Power Adaptor and Pillar ( $\phi$  35~38mm) Mount Holder Included

## Quality, Structural Strength & Accuracy are Safeguarded by

- Material Grade
- Material Thickness
- Tooling & Method used to handle Material Cutting, Blending ... etc.
- Smart & CNC Made Oversized Heavy Duty Load Cell Supporting & Mounting Blocks
- Strict Construction Accuracy Standards Applied
- Smart & High Quality Stainless Steel Junction Box used
- OIML / NTEP C3 Approved or FM Special Grade Load Cell
- High Density Channel Frame Allocation
- High Quality Epoxy Coating

## Key Features

- Extremely Rigid Structural Steel Channel Frame Specifically Designed for Heavy Traffic
- Super Strong Channel Frame Provides Extra Protection by Enclosing the Load Cells, Cable and Junction Box Inside and away from Chemicals and Other Industrial Element
- Heavy-Duty Industrial design Threaded Eyebolt Holes for Easy Lifting
- Top-of-Floor or In-Floor Mounting
- Swivel Adjustable Feet Eliminate Weighing Errors due to Misalignment
- Construction Accuracy: - Better than 0.25%

**Versatility, Functionality and Accuracy are always Built-in**

# XSB Series Precision Heavy Duty Floor Platforms

## Specifications

| Model No.                        | Platform Size (mm)  |     | Load Cell |  |     |  |  |
|----------------------------------|---|-----|-----------|--|-----|--|--|
| XSB-0808 (A, N)                  | 800 x 800   |     |           | <b>Type:</b> - <ul style="list-style-type: none"> <li>• A: - OIML / NTEP C3 approved</li> <li>• N: - FM Special Grade</li> </ul> <b>Assignment:</b> - <ul style="list-style-type: none"> <li>• 4 x 500kg for Max = 1T</li> <li>• 4 x 1000kg for Max = 2T</li> <li>• 4 x 1500kg for Max = 3T</li> <li>• 4 x 2000kg for Max = 5T</li> <li>• 4 x 3000kg for Max = 6T</li> </ul> |     |  |  |
| XSB-0810 (A, N)                  | 800 x 1000  |     |           |  |     |  |  |
| XSB-1010 (A, N)                  | 1000 x 1000   |     |           |  |     |  |  |
| XSB-1012 (A, N)                  | 1000 x 1200   |     |           |  |     |  |  |
| XSB-1212 (A, N)                  | 1200 x 1200   |     |           |  |     |  |  |
| XSB-1215 (A, N)                  | 1200 x 1500   |     |           |  |     |  |  |
| XSB-1515 (A, N)                  | 1500 x 1500   |     |           |  |     |  |  |
| XSB-1520 (A, N)                  | 1500 x 2000   |     |           |  |     |  |  |
| XSB-2020 (A, N)                  | 2000 x 2000   |     |           |  |     |  |  |
| Nominal Capacity (Max)           | 1T  | 2T  | 3T        | 5T   | 6T  |  |  |
| Adjusted Eccentric Accuracy (kg) | 0.05  | 0.1 | 0.2       | 0.5  | 0.5 |  |  |
| Structural Strength              | Maximum = 6T; Safe Overload = 7.2T  |     |           |  |     |  |  |
| Material & Structural Data       | All Material = Mild Steel<br><br><b>Thickness:</b> - <ul style="list-style-type: none"> <li>• Top Plate Thickness ≥ 5.14mm</li> <li>• Underneath Columns Thickness ≥ 3.5mm</li> <li>• Load Cell Support Blocks ≥ 18.0 mm</li> </ul><br><b>Width:</b> - <ul style="list-style-type: none"> <li>• Width of Load Cell Mounting Columns = 120mm</li> <li>• Width of Reinforce Columns = 120mm</li> </ul><br><b>Overall Height:</b> - <ul style="list-style-type: none"> <li>• 71mm (platform only)</li> <li>• 97mm (completed with Load Cells and Adjustable Feet)</li> </ul> |     |           |  |     |  |  |
| Construction Accuracy            | Better than 0.25%   |     |           |  |     |  |  |
| Load Cell & Output               | OIML / NTEP C3 Approved or FM Special Grade<br>40CrNiMoA Alloy Steel Load Cells, 3mV/V  |     |           |  |     |  |  |
| Junction Box                     | JB-46S Stainless Steel Junction Box   |     |           |  |     |  |  |
| Signal Cable                     | 5m 6-wire Shielded Cable Included   |     |           |  |     |  |  |
| Operating Environment            | -10 ~ 40°C (14 ~ 104°F) Non-condensed R.H. ≤85%   |     |           |  |     |  |  |

*In the interest of improvement, specifications may change prior to notice*

## Option

- Mild Steel Ramp
- Pit Installation Frame

## Order Code

Model No.: - Nominal Capacity - Load Cell Type.

Examples -

- XSB-1010-1T-A for platform size = 1 x 1m; nominal capacity = 500kg; with approved load cells.
- XSB-1215-2T-N for platform size = 1.2 x 1.5m; nominal capacity = 2000kg; with FM Special Grade load cells.



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