FM18 + K Series Scale

Digital Weighing Scale Indicator

Fidelity Measurement

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 Δ-Σ 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 Ω, 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.
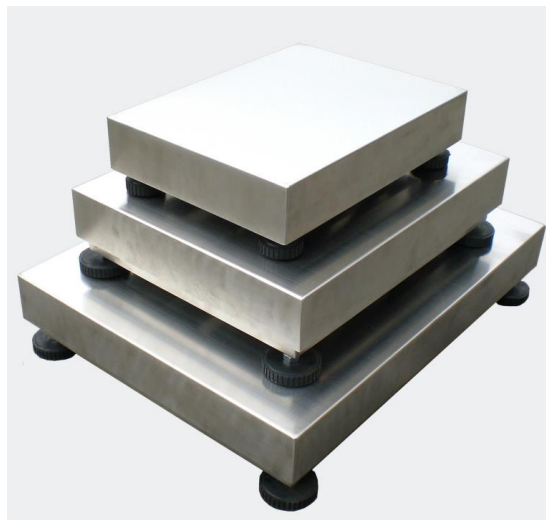
FUNCTIONS

- 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

Versatility, Functionality and Accuracy are always Built-in

KEY FEATURES

- 24 bit Low-Noise Delta to Sigma to Delta (Δ-Σ) 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 (φ35~38mm) Mount Holder Included

K Series Scale:

Key Features

- #304 Stainless Steel Construction, Platter and Pillar (Optional)
- Equipped with OIML C3 Approved 17-4PH Stainless Steel Load Cell Complete
- Sealed Design, to Prevent Liquid Penetrate into Platform Structure Rugged
- Structure for Harsh and Rugged Environment
- Overload Protection Devices to Withstand Shock and Overloads
- Safe Overload = 150% plus
- Ultimate Overload = 200% plus Adjustable Feet and Bubble Level Included

FM18 Digital Weighing Indicator Scale

Model No.	Capacity (kg)	Readability (kg)	Platform Dimension (mm)
FM18-30K	30	5g	
FM18-60K	60	10g	420 x 520mm
FM18-150K	150	20g	
FM18-300K	300	50g	
FM18-30K	30	5g	
FM18-60K	60	10g	500 x 600mm
FM18-150K	150	20g	600 x 600mm
FM18-300K	300	50g	
FM18-60K	60	5g	
FM18-150K	150	10g	600 x 800mm
FM18-300K	300	20g	500 x 700mm
FM18-500K	500	50g	900 x 900mm
Operating Environment	0~40°C (32~104°F) Non Condensing R.H. ≤85%		

Specifications subject to change prior to notice

OPTIONS

- RELAY-4, 4-Channels Relay Module
- WM Wireless Communication Module
- Stainless Steel Wall/Desk Mount Holder
- SP-POS58EZ Thermal Printer
- RD-DOT Dot Matrix Remote Display
- LP-50 Label Printer

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