



FM180S is an OIML 10,000e approved indicator with a completely sealed housing designed for use in harsh environments.

All SUS304 heavy duty stainless steel enclosure, waterproof blind covers, glands and sealed waterproof power inlet provide maximum protection to the state-of-the-art hardware and circuits inside.

Special designed front panel with special glue layer minimizes the risk of liquid penetration.



Approved Functions

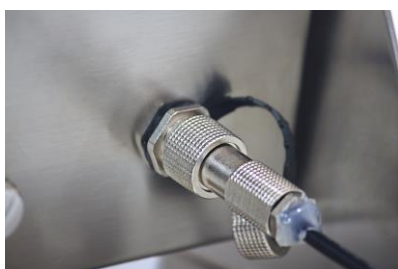
- Weighing and Simple Counting
- Single and Dual Weighing Range
- Memory Accumulation
- Pre-set Tare
- Gross and Net Indicators
- Weighing Range Indicators
- Memory Indicators
- Standard and User Programmable Print Format
- Ticket and Label Printing

User Selectable Parameters

- 6 x Auto Power Off Time
- 4 x Filter Intensity Mode
- 3 x Backlight Mode
- 3 x RS232 Data Output Baud Rate
- 3 x Data Format
- 3 x M+ Mode
- 3 x Data Output Mode
- 4 x Data Transmission Time Interval
- 7 x Initial Zero Range
- 7 x Manual Zero Range

Cable Glands

- PG-7 Nickel Plated Brass Cable Gland for Load Cell and Serial Communication
- Best Suit Cable Diameter = 3 ~ 6mm
- Maximum Cable Diameter = 7mm
- Nickel Plated Brass with Cover DC Jack



Versatility, Functionality and Accuracy are always Built-in

FM180S Digital Stainless Steel Weighing Indicator

Key Features

- Heavy duty and all SUS304 Stainless Steel housing
- Completely Sealed Housing Designed to IP66
- 6 x 28mm Wide Angle LCD Numeric Digits
- 24 bit Low-Noise Delta to Sigma to Delta (Δ - Σ) Analog-to-Digital Converter
- Support Single and Dual Weighing Range Mode
- Free Capacity and Division Setting
- kg & lb Conversion (Single Weighing Range Mode only)
- Support both 4-wire & 6-wire Load Cells
- Real Time Clock
- Linearity Compensation
- Independent Zero Calibration
- User selectable dot or comma for decimal
- 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
- 1 x on board Bi-Directional Serial Port

Specifications

OIML Approval Characteristics	• Approval Class & Accuracy: - Class III 10,000e • Minimum Input Voltage / e = 0.75μV
Capacity and Readability	Free Setting
Weighing Range	Single Range / Dual Range
Weight Units	kg, g, lb
Display	6 x 28mm Wide Angle LCD Numeric Digits with Capacity Tracking Bar
PC Program	PC program for remote control, monitoring and transactions recording.
Load Cell Connection	• Excitation Voltage = 5V DC • Support both 4-wire & 6-wire Load Cells • Maximum Load Cell Connection: - Approved = 4 x 350Ω or 8 x 700Ω Load Cells • Non-Approved = 12 x 350Ω or 24 x 700Ω Load Cells
A/D Converter & Internal Resolution	• 24 bit Low-Noise Delta to Sigma (Δ-Σ) • 1,600,000 Counts at 15 mV • Minimum input per d = 0.05μV
Max. Tare Range	- Max for Single Weighing Interval or -Max ₁ (Subtractive Tare)
Power Source	• Built-in Rechargeable Battery = 6V, 5AH • External Power Adaptor = DC 12V, 1A
Accessories	• Stainless Steel Wall / Desk Mount Holder • Universal Power Adaptor
Packing	Individually Packed • Dimensions = 32 x 32 x 15cm. Net / Gross = 3.37 / 3.87kg 6 Units in Shipping Carton • Dimensions = 97 x 31 x 31cm. Net / Gross = 23.2/ 24.8kg
Operation Environment	-10 ~ 40°C. Non-condensed. R.H. $\leq$ 85%

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

Versatility, Functionality and Accuracy are always Built-in

FM180S Digital Stainless Steel Weighing Indicator

Options

- SP-POS58IV or SP-POS88IV Thermal Printer
- LP-50 Label Printer
- WM-EP Wireless Communication Module
- RD-DOT Dot Matrix Remote Display

