



190s is designed in accordance with IP66. It features a completely sealed, extremely heavy-duty SUS304 enclosure and is one of the most powerful weighing indicators in its price range.

190s is suitable for applications with high dead load and low load cell utilization.

Equipped with a high-speed microprocessor, innovative program design, a new linearity compensation method, and a wide range of flexible and selectable operation parameters, **190s** delivers exceptionally fast, accurate, and stable performance for both low- and high-resolution applications, from simple to complex tasks, even under extremely heavy workloads.

Reliability and durability are ensured through carefully selected components from renowned manufacturers, together with well-designed and well-planned circuitry.

190s always delivers more than expected and is an excellent choice wherever performance, reliability, and flexibility cannot be compromised.



Adjustable Tri-Color Check Result Backlight

Connectivity

- 2 × Configurable Bi-Directional Serial Comports
- Maximum Baud Rate: 256,000
- Support for Barcode Scanner for Customer and Product Code Entries
- Optional Built-In 4-Channel Control Relay Board



Versatility, Functionality and Accuracy are always Built-in

190s Stainless Steel Multi-Function Indicator

Functions

- Static Weighing, Medium- to Low-Speed Dynamic Weighing, Piece Counting, Peak Hold, and Animal Weighing
- Support for Single-Range, Dual-Range, and Dual-Interval Operation
- Support for Both Tension and Compression Load and Force Direction
- Near-Zero Weight Value for Dynamic Weighing to Avoid False Signal Output
- Add-Tare-Memory (ATM) and Remove-Tare-Memory (RTM) Function
- Manual, Preset, Auto, Repetitive, and Continuous Tare Operation
- Weight and Quantity Check Mode
- Check Result Control for Accumulation, Data Printout, and Data Output Keypad Lock Function

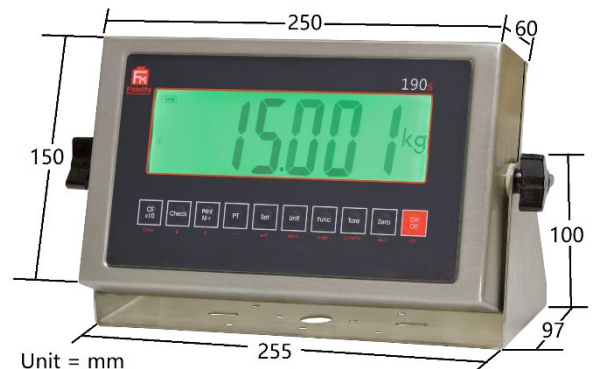


Operation and Management Features

- Configurable Machine ID, Machine Group, and Operator Number to Enhance Ease of Multi-Scale Applications and Management Records
- Customer and Product Codes Support Numeric Characters When Input through Keypad
- Customer and Product Codes Support Numeric, Alphabetic, and Symbol Characters When Input through Scanner or PC
- Support for External [Zero], [Tare], and [Print/M+] Key Input through Scanner
- Tri-Color Check Result Indication
- Configurable Keypad, Check, and System Buzzer
- Two Independently Configurable Bi-Directional Serial Comports, with Selectable TTL Output for Comport 1
- Support for Inquiry, Setting, and Execution Commands through PC
- All Current Operation Results Output in Database Format to Increase Ease and Efficiency of Data Management, Processing, and Analysis
- Support for Ticket Printers and Label Printers
- Label Printers Supported:
 - Datas: LP-50
 - TSC: TDP/TTP-225, TDP/TTP-247, TDP/TTP-345, DH/TH220 Series, DH/TH240 Series, DH/TH340 Serie
- Selectable Portrait or Landscape Ticket Printout Format
- 6 × 45 mm Large, Bold, Wide-Angle LCD Numeric Digits
- Zero, Gross, Net, Weighing Range, Memory, Battery Level, and Recharge Indicators
- Watchdog System to Prevent Damage Caused by Load Cell Short-Circuit
- Smart Charging Circuits
- Real-Time Clock

Options

- SP-POS58IV and SP-POS88IV Thermal Ticket Printer
- Serial Barcode Scanner
- RD-DOT Dot Matrix Remote Display
- Built-In 4-Channel Control Relay Board (Factory Installation Required; Rechargeable Battery Must Be Removed)



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190s Stainless Steel Multi-Function Indicator

Specifications

Capacity and Readability	Free Setting
Weighing Range	Single Range, Dual Range, Dual Interval
Weight Units	kg, g, lb
Display	6 x 45mm Huge Size Bold Type Wide Angle LCD Numeric Digits
Load Cell Connection	<ul style="list-style-type: none">• Excitation Voltage = 5V DC• Support both 4-wire & 6-wire Load Cells• Maximum Load Cell Connection: 4 x 350Ω
A/D Converter & Internal Resolution	<ul style="list-style-type: none">• 24 bit Low-Noise Delta to Sigma (Δ-Σ)• 4,000,000 Counts at 20 mV• Minimum input per d = 0.05μV
Max. Tare Range	- Max for Single Weighing Interval or -Max ₁ (Subtractive Tare)
Power Source	<ul style="list-style-type: none">• Built-in Rechargeable Battery = 6V, 5AH• External Power Adaptor = DC 12V, 1A
Accessories	<ul style="list-style-type: none">• Stainless Steel Wall / Desk Mount Holder• Universal Power Adaptor
Packing	<ul style="list-style-type: none">• Individually Packed. 31.5 x 31 x 14.5cm. Net/Gross = 2.50/3.55kg• Four Units in a Shipping Carton. 65.5 x 32 x 33.5cm. Net/Gross = 10.00/15.00kg
Operation Environment	-10 ~ 40°C. Non-condensed. R.H. ≤ 85%

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



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