



Stainless Steel Multi-Function Indicator

19s



19s 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.

19s is suitable for applications with high dead load and low load cell utilization.

It is designed and programmed to provide fast, easy, and straightforward operation for an exceptionally wide range of applications, such as general static and dynamic industrial weighing, piece counting, shipping control, truck and tank weighing, pre-packing, manual sorting and packing, filling and dispensing, and scientific and peak measuring and monitoring, whether used as a standalone unit or incorporated into an integrated weighing system.



Thanks to the built-in high-speed microprocessor, innovative program design, new linearity compensation method, a wide range of flexible and selectable operation parameters, and selectable AD conversion speeds, **19s** consistently delivers exceptionally fast, accurate, and stable results from low to high resolution, for simple to complex applications, 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.

19s always delivers more than expected and is the preferred choice wherever performance, reliability, durability, and flexibility cannot be compromised.



Adjustable Tri-Color Check Result Backlight

Versatility, Functionality and Accuracy are always Built-in

19s Stainless Steel Multi-Function Indicator

Functions

- Static, Dynamic, and Animal Weighing, Piece Counting, and Peak Hold
- 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
- Built-In Logic for Constant Filling and Dispensing and Inflow and Outflow Control
- Add-Tare-Memory (ATM) and Remove-Tare-Memory (RTM) Function
- Manual, Preset, Auto, Repetitive, and Continuous Tare Operation
- Continuous Tare with Configurable Delay Time before Tare Action
- Weight and Quantity Check Mode
- Quick-Access PLUs for Weight Limits, Quantity Limits, and Preset Tare Values
- Direct PLUs for Customer and Product Codes
- Check Result Control for Accumulation, Data Printout, and Data Output
- Keypad Lock Function



Connectivity

- 2 x Configurable Bi-Directional Serial Comports
- Maximum Baud Rate: 256,000
- 9 x Selectable Fixed plus One User-Programmable PC Output Protocols
- Support for Barcode Scanner for Customer and Product Code Entries
- Optional Built-In 4-Channel Control Relay Board

Operation and Management Features

- Completely Sealed Heavy-Duty SUS304 Stainless Steel Housing, Designed in Accordance with IP66
- Full Numeric Keypad
- Configurable Machine ID, Machine Group, and Operator Number to Enhance Ease of Multi-Scale Applications and Management Records
- Customer and Product Code Input through Serial Scanner or Keypad
- Customer and Product Codes Support Numeric, Alphabetic, and Symbol Characters
- 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 All Epson-Compatible Ticket and Dot Matrix Printers
- Label Printers Supported:
 - Datscom: LP-50
 - TSC: TDP/TTP-225, TDP/TTP-247, TDP/TTP-345, DH/TH220 Series, DH/TH240 Series, DH/TH340 Series
 - Sbarco: All Models with Serial Port
- 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

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Specifications

Capacity and Readability	<ul style="list-style-type: none"> 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: 10 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
AD Conversion Speed	15, 30, 60, 120 times/second Selectable
Max. Tare Range	- Max for Single Weighing Interval or -Max ₁ (Subtractive Tare)
Calibration Methods	<ul style="list-style-type: none"> 2 Span Points Calibration (Linearity Calibration), or 1 Span Point Calibration, or Numeric Calibration Through Keyboard
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. \leq 85%

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

Options

- SP-POS58IV and SP-POS88IV Thermal Ticket Printer
- Serial Barcode Scanner
- WM Wireless Communication Module
- 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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