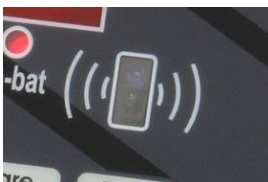




19^{es} is designed according to IP66. It comes with a completely sealed and extremely heavy duty SUS304 enclosure and is one of the most powerful weighing indicators of similar price level.

Thanks to the built-in 32-bit micro-processor, unsurpassed innovative program, new linearity compensation method, wide range of flexible and selectable operation parameters,

19^{es} provides fast, easy and straightforward operation to meet an extraordinary wide range of applications like general static & dynamic industrial weighing, piece counting, shipping control, truck & tank weighing, pre-packing, manual sorting & packing, filling & dispensing, scientific & peak measuring & monitoring... etc. no matter as a standalone unit or incorporated in an integrated weighing system.



Configurable optical key gives easier and more efficiency access to the mostly used key and at the same time to prolong life span of the convention keyboard. It can be configured as Manual [Print/M+], Manual [Zero], Manual [Tare] or even disabled.

Tri-color Check Result Light Bar with 8 LED per check status presents pin-point accuracy about where and how far the current weight is and how far it is away from target value.

19^{es} always deliver unexceptional fast, accurate and stable results from low to high resolution, simple to complicated applications even at extremely heavy workload.

Versatility, Functionality and Accuracy are always Built-in

19es Stainless Steel Multi-Function Indicator

Functions

- Static Weighing, Medium ~ Low Speed Dynamic Weighing, Piece Counting, Peak Hold, Animal Weighing
- Support Single Range, Dual Range and Dual Interval Operation
- Support both Tension and Compression Load / Force Direction
- Near Zero Weight Value for Dynamic Weighing to avoid False Signal Output
- Add-Tare-Memory (ATM) & Remove-Tare-Memory (RTM) Function
- Manual, Preset, Auto, Repetitive and Continuous Tare Operation
- Weight and Quantity Check Mode
- Quick Access PLUs for Weight Limits, Quantity Limits and Preset Tare Values
- Direct PLUs for Customer & Product Codes
- Check Result Control for Accumulation, Data Printout & Data Output
- Keypad Lock Function
- Automatic Statistic and Standard Deviation Calculation & Printout for up to 300 Transactions
- Configurable Optical Key



Connectivity

- 2 x Configurable Bi-Directional Serial Comports. Maximum Baud Rate = 256000
- Support Bar Code Scanner for Customer & Product Code Entries

End User PC Software

- Real Time Operation Status Monitoring
- Operation Parameters Setting
- Real Time Process Monitoring
- Individual and Totalized Record Storage
- Database File Output



Distributor only PC Software

- Extremely Useful for Heavy Capacity and Complex System Installation, Checking, Testing and Commissioning
- Real Time Important System Parameters Monitoring and Setting
- Export Current System Settings to External Backup File
- On Site or Remote System Recovery by External Backup File without Re-Calibration



Born with Performance, Durability & Reliability

19^{es} Stainless Steel Multi-Function Indicator

Operation and Management Features

- Full Numeric Keypad
- Configurable Machine ID, Machine Group and Operator Number to Enhance Ease of Multi-Scales Applications and Management Records
- Customer & Product Code Input through Serial Scanner or Keypad
- Customer & Product Code Support Numbers, Alphabets and Selected Symbols
- Support External [Zero], [Tare] and [Print/M+] Key Input through Scanner
- Configurable Tri-Color Check Result Light Bar
- Configurable Keypad, Check & System Buzzer
- 2 x Independently Configurable Bi-Direction Serial Comports. Selectable TTL Output for Comport 1
- Support Inquiry, Setting and Execution Commands through PC
- All Current Operation Results Output in Data Base Format Increases Ease & Efficiency of Data Management, Processing & Analysis
- Support Ticket Printer and Label Printer (Datacs LP-50 & TSC TDP247, TDP345, TTP247, TTP345)
- Selectable Portrait / Landscape Ticket Printout Format
- 6 x 25mm LED Numeric Digits
- Zero, Gross, Net, Weighing Range, Memory & Battery Level & Recharge Indicators
- Watchdog System to Prevent Damages caused by Load Cell Short-circuit
- 85 Hours plus Battery Service Time
- Zero, Net, Weight Unit, Memory & Lo Battery Level & Recharge Status Indicators
- Real Time Clock

	Opr	Seq	Mode	Mac	MacGp	Date	Time	Name	Pcode	Gross	Tare	Net	Low	High	Result	Total.W	Unit				
Weighing	3333	1	0	8888	77	2016/10/6	11:17:08	VNFHRUDHFLQAUMCB	12345678901234567A	12.500	5.000	7.500	4.995	5.005	Above limit	7.50	kg				
Weighing	3333	2	0	8888	77	2016/10/6	11:17:14	VNFHRUDHFLQAUMCB	12345678901234567A	15.000	2.500	12.500	4.995	5.005	Above limit	20.00	kg				
Weighing	3333	3	0	8888	77	2016/10/6	11:17:22	VNFHRUDHFLQAUMCB	12345678901234567A	15.000	5.000	10.000	4.995	5.005	Above limit	30.00	kg				
Weighing	3333	4	0	8888	77	2016/10/6	11:17:29	VNFHRUDHFLQAUMCB	12345678901234567A	10.000	5.000	5.000	4.995	5.005	Accept	35.00	kg				
Weighing	3333	5	0	8888	77	2016/10/6	11:17:46	VNFHRUDHFLQAUMCB	12345678901234567A	7.500	2.500	5.000	9.995	10.005	Below limit	40.00	kg				
Weighing	3333	6	0	8888	77	2016/10/6	11:17:50	VNFHRUDHFLQAUMCB	12345678901234567A	5.000	2.500	2.500	9.995	10.005	Below limit	42.50	kg				
	Opr	Seq	Mode	Mac	MacGp	Date	Time	Name	Pcode	Gross	Tare	Net	Total.W	Unit	Count	Unit.W	Unit	Low	High	Result	Total.C
Piece Count	3333	1	1	8888	77	2016/10/6	11:18:18	VNFHRUDHFLQAUMCB	12345678901234567A	5.000	2.500	2.500	2.500	kg	19999	0.12499 g		19995	20005	Accept	19999
Piece Count	3333	2	1	8888	77	2016/10/6	11:18:25	VNFHRUDHFLQAUMCB	12345678901234567A	7.500	2.500	5.000	7.500	kg	40002	0.12499 g		19995	20005	Above limit	60001
Piece Count	3333	3	1	8888	77	2016/10/6	11:18:31	VNFHRUDHFLQAUMCB	12345678901234567A	7.500	5.000	2.500	10.000	kg	20003	0.12499 g		19995	20005	Accept	80004
Piece Count	3333	4	1	8888	77	2016/10/6	11:18:37	VNFHRUDHFLQAUMCB	12345678901234567A	7.500	5.000	2.500	12.500	kg	20003	0.12499 g		19995	20005	Accept	100007
Piece Count	3333	5	1	8888	77	2016/10/6	11:18:43	VNFHRUDHFLQAUMCB	12345678901234567A	5.000	2.500	2.500	15.000	kg	19999	0.12499 g		19995	20005	Accept	120006
Piece Count	3333	6	1	8888	77	2016/10/6	11:18:47	VNFHRUDHFLQAUMCB	12345678901234567A	7.500	2.500	5.000	20.000	kg	40002	0.12499 g		19995	20005	Above limit	160008

Time	14:03:25
Date	2017-02-27
Seq	1
Name	ASDFGHJKLQWERTYUIO
Pcode	123456789012345678
Net	15.000kg
Tare	0.000kg
Gross	15.000kg
Total	15.000kg
High	15.001kg
Low	14.999kg
Accept	

Printout Format #2

Name	ASDFGHJKLQWERTYUIO	
Pcode	123456789012345678	
Opr	0123	
Mac	6666	
MacGp	22	
Date	2017-02-27	
Time	13:58:54	
Seq	Gross	Net
001	5.000	5.000 kg
002	5.000	5.000 kg
003	5.000	5.000 kg
004	10.000	10.000 kg
005	10.000	10.000 kg
006	10.000	10.000 kg

006		45.000 kg
Max		10.000 kg
Min		5.000 kg
Diff		5.000 kg
x		7.5000 kg
Sd		2.7386 kg
Srel		36.5147 %

Printout Format #4
with Statistic Results Output

Name	ASDFGHJKLQWERTYUIO	
Pcode	123456789012345678	
Opr	0123	
Mac	6666	
MacGp	22	
Date	2017-02-27	
Seq	Time	Net
001	14:00:17	4.999 kg
002	14:00:20	4.999 kg
003	14:00:23	4.999 kg
004	14:00:27	4.999 kg
005	14:00:30	4.999 kg
006	14:00:33	4.999 kg
006	Total	29.994 kg
Max	4.999 kg	
Min	4.999 kg	
Diff	0.000 kg	
x	4.9990 kg	
Sd	0.0000 kg	
Srel	0.00000 %	

Printout Format #5
with Statistic Results Output

Born with Performance, Durability & Reliability

19eS Stainless Steel Multi-Function Indicator

Specifications

Construction	Completely Sealed Stainless Steel 304 Heavy Duty Enclosure with Water-Proof Cable Glands and DC Input Plug
Capacity and Readability	Free Setting
Weighing Range	Single Range, Dual Range, Dual Interval
Weight Units	kg, g, lb
Display	6 x 25mm LED Numeric Digits
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 = 10 x 350Ω or 20 x 700Ω Load Cells
Micro Processor	32-bit High Speed & High EMC Immunity
A/D Converter & Internal Resolution	24 bit Low-Noise Delta to Sigma ($\Delta-\Sigma$) 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	- 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. ≤ 85%

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

Options

- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- LP-50, TDP247, TDP345, TTP247, TTP345 Label Printer
- Serial Bar Code Scanner
- WM Wireless Communication Module
- RD-DOT Dot Matrix Remote Display



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REV.: 19eS/17/03/00