





19*i* is probably the most powerful weighing indicator of similar price level. 10,000e OIML Class III approval certificate proves further that it is one of the world's most accurate class III weighing instruments.

Dual weighing range and interval, plus many other approved functions make 19i the perfect answer for many legal for trade and non-trade applications.



19i

Extremely low (0,75 μ V) input per verification scale interval means **19***i* is also good for high dead load and at the same time low load cell utilization applications.

19*i* is designed and programmed to provide 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.

Thanks to the built-in high speed micro-processor, unsurpassed innovative program, new linearity compensation method, wide range of flexible, selectable operation parameters and selectable AD conversion speed, **19***i* always deliver unexceptional fast, accurate and stable results from low to high resolution, simple to complicated applications even at extremely heavy workload.

Reliability and durability are safeguarded and guaranteed by the carefully selected components from renowned manufacturers as well as smart designed and well planned circuits.

19*i* always deliver more than it is expected and the #1 choice whenever & wherever performance, reliability, durability and flexibility are of no compromise.



Adjustable Tri-Color Check Result Backlight

Functions

- Static, Dynamic & Animal Weighing, Piece Counting and Peak Hold
- 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
- Built-in Logic for Constant Fill & Dispensing and Inflow / Outflow Control
- Add-Tare-Memory (ATM) & Remove-Tare-Memory (RTM) Function

Operation and Management Features

- OIML Class III 10000e approved
- 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 Symbols Characters
- Support External [Zero], [Tare] and [Print/M+] Key Input through Scanner
- Tri-Color Check Result Indication
- 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

- 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 & Product Codes
- Check Result Control for Accumulation, Data
 Printout & Data Output
- Keypad Lock Function
- All Current Operation Results Output in Data Base Format Increases Ease & Efficiency of Data Management, Processing & Analysis
- Support all Epson Compatible Ticket and Dot Matrix Printers
- Label Printers Supported: -
 - > Datecs = LP-50
 - TSC = TDP-225, TDP-247, TDP-345, TTP-225, TTP-247, TTP-345
 - > Sbarco = all Models with Serial Port
- Selectable Portrait / Landscape Ticket
 Printout Format
- 6 x 45mm Huge Size Bold Type Wide Angle LCD Numeric Digits
- Zero, Gross, Net, Weighing Range, Memory & Battery Level & Recharge Indicators
- Watchdog System to Prevent Damages caused by Load Cell Short-circuit.
- Smart Charging Circuits
- 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	Abovelimit	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	Abovelimit	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	Abovelimit	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	Belowlimit	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	Belowlimit	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	Abovelimit	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	123456789012345674	7.500	2,500	5.000	20.000	kα	40002	0.12499	a	10005	20005	Abovelimit	160008

Database Output Content Illustration: - Weighing and Piece Count Mode

Printout Formats

Time 14:27:24 Date 2016-10-06 Seq 1 Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A Net 5.000kg	Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A Opr 3333 Mac 8888 MacGp 77	Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A Opr 3333 Mac 8888 MacGp 77
Tare 2.500kg Gross 7.500kg	Date 2016-10-06 Time 14:25:24	Date 2016-10-06
Total 5.000kg	Seq Gross Net 001 7.500 5.000 kg	Seq Time Net 001 14:26:11 2.500 kg 002 14:26:14 5.000 kg
High 10.005kg	002 7.500 5.000 kg	003 14:26:18 7.499 kg 004 14:26:25 2.500 kg
Low 9.995kg Below limit	003 9.999 7.499 kg 004 9.999 7.499 kg 005 12.500 10.000 kg 006 5.000 2.500 kg	004 14.26.25 2.300 kg 005 14:26:28 5.000 kg 006 14:26:31 7.499 kg 006 Total 29.998 kg
	006 37.498 kg	Drintout Formot #5

Printout Format #2

Printout Format #4

Printout Format #5

Connectivity

- 2 x Configurable Bi-Directional Serial Comports. Maximum Baud Rate = 256000
- 9 x Selectable Fixed plus 1 x User Programmable PC Output Protocols
- Support Bar Code Scanner for Customer & Product Code Entries
- Optional 4 Channel built-in Control Relay Board
- Optional Built-in LAN Module for Ethernet and Internet Communication

Apps for Smart Phones & Devices

Free iOS App (i19) & Android App (a19) are available at App Store and Google Play respectively.

These Apps are so powerful that actually they turn your smart devices into a handheld terminal, remote display, remote data input center and controller of your FM product connected.

Both Apps support connection via Bluetooth and WIFI.



Date	2017-12-11	Winner,	11:12:24	Mode We	siahina	all中国移动 🗢	10:57	\$ 95% 🔳
Opr	1234		8888	MacGo 22		Done	Settings	Ċ
Status	Stable					Customer N	ama	
Gross	50.000kg				Low 45.000kg	Fidelity	unic	
Tare	0.000kg		50.000)ka	High 55.000kg			
Net	50.000kg		00.000	Jing	Result Accept	Product Coo 19Series	le	
Unit.W						Preset Tare		
Name Pcode	Fidelity 195eries							
Total No.		Total.W	200.000kg	Total Cou	nt	Check Buzz OFF	ar	
						Near Zero		
						0.000		
1		2	3	4	5	0.000 Weighing Hi 55.000	i	
1 Yes		2	3	4	5	Weighing Hi 55.000 Weighing Lo		
Yes		-				Weighing Hi 55.000 Weighing Lo 45.000	w	
		2 7	3	4	5	Weighing Hi 55.000 Weighing Lo	w	
Yes	10	-			0	Weighing Hi 55.000 Weighing Lo 45.000 Counting Hi	2W	

End User PC Software

- Freeware Specially Created to Support End Users
- Real Time Operation Status Monitoring
- Operation Parameters Setting
- Real Time Process Monitoring
- Individual and Totalized Record Storage
- Database File Output

Distributor only PC Software

- Freeware Specially Created to Support Distributors
- 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

Date 2016-10-05 Tim	ne 13:51:51 Comport COM6 •	Baudrate 256000 • Stop Exit
idelity Opr 3333 Mac 8888	MacGp 77 Mode Piece Count	
Status Stable		Low 19995pcs High 20005pcs
Gross 2.500kg	100 m c c	Result Accept
Tare 0.000kg 201)00pcs	Name VNFHRUDHFLQAUMCB
Net 2.500kg	•	Pcode 325697412358961567
Fotal No. 4 Total.W 17.	500 Unit.W 0.12499	
	Pcode Gross Ta 97412358961567 2.500	re Net Unit.W Count Result 0.000 2.500 0.12499 20000 Accept
CE Print/M+ Unit	Tare Zero Save Da	taBase as
Name Set	Pcode	Set Preset Tare Set
Check Buzzer 0=off •	Near Zero 0.000	
Veighing High 20.005	Weighing Low 19.995	
Counting High 20005	Counting Low 19995 S	et Read

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Comport COM6 • Baudrate 256000 • Connect Read Disconnect Export to File Load File Save & Reboot Set All
Calibration Unit 0=kg • Application 0=none • Decimal 3=0.000 • Format 0=dot •
Capacity1 15000 kg 15000 g 33.069 lb Division1 0=1 • kg 0=1 • g 1=2 • lb
Capacity2 Mode 0=Off • 15.000 kg 15000 g 33.069 lb Division2 0=1 • kg 0=1 • g 1=2 • lb
Gravity Values Calibration 9.7940 Operation 9.7940 Linearity Compensation 1=On •
Linearity Calibration Zero AD -1294 LD1 Weight 5.000 LD1 AD 647956 LD2 Weight 10.000 LD2 AD 1079682
Span Calibration Zero AD -1294 Span Weight 10.000 Span AD 1079682
Set Above All
Weight unit kg 1=On • g 1=On • lb 1=On • Set Filter Level 4=Level5 • Set
Zero Operation Initial Zero 6=10% • Manual Zero 1=2% • Zero Tracking 02=0.5e • Set
Tare Operaion Auto Tare 0=Off • Repetitive Tare 0=Off • Preset Tare 1=On • Set
Stability Ctrl Manual Zero 1=Yes • Manual Tare 1=Yes • Set Mac ID 8888 MacGp 77 Set
Power, Backlight & Buzzer Power off 3=5 min • Green (01~99) 60 Ratio (01-99) 50 Kb Buzzer 1=On • Set
Check Buzzer 0=off • Near Zero 0.000 WT Hi 3.000 WT Lo 2.000 Pcs Hi 1000 Pcs Lo 500 Set
Comport1 Mode 3=Manual • Baudrate 4=19200 • Protocol 0=Protocol1 • Prt Stability 1=Yes • Transmission 0=Int0 •
Auto Acc 1=On • Copy 0=1 copy • Chk Ctrl 0=No • Format 0=Lab1 • Label Gp1 01 Label Gp2 01
Data L. 1=8bit • Parity 0=none • Minimum 20 Set
Comport 2 Mode 5=CMD • Baudrate 8=256000 • Protocol 0=Protocol • Prt Stability 1=Yes • Transmission 0=Int 0 •
Auto Acc 1=On • Copy 0=1 copy • Chk Ctrl 0=No • Format 0=Lab1 • Label Gp1 01 Label Gp2 01
Data L. 1=8bit • Parity 0=none • Minimum 20 Set

Options

- Stainless Steel Wall/Desk Mount Holder
- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- Serial Bar Code Scanner
- WM Wireless Communication Module
- RD-DOT Dot Matrix Remote Display
- Built-in 4-Channel Control Relay Board (Factory Installation)
- Bluetooth 4.0BLE Module/Kit
- Bluetooth 2.0 Module/Kit
- Built-in LAN Communication Module (Rechargeable Battery has to be Removed)



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, Dual Interval
Weight Units	kg, g, lb
Display	6 x 45mm Huge Size Bold Type Wide Angle LCD 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
A/D Converter & Internal Resolution	 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 -Max₁ (Subtractive Tare)
Calibration Methods	 2 Span Points Calibration (Linearity Calibration), or 1 Span Point Calibration, or Numeric Calibration Through Keyboard
Power Source	Built-in Rechargeable Battery = 6V, 4AH
	External Power Adaptor = DC 12V, 1A
Accessories	 External Power Adaptor = DC 12V, 1A Pillar Mount Holder (ψ35~38mm), Built-in Rechargeable Battery, Universal Power Adaptor, Dust Cover
	Pillar Mount Holder (ψ35~38mm), Built-in Rechargeable Battery,

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

