

# **190S2 Stainless Steel Multi-Function Bench Scales Series**

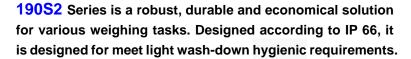












It is programmed to provide fast, easy, reliable and straightforward operation to meet an extraordinary wide range of applications no matter as a standalone unit or incorporated in an integrated weighing system.



- 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
- Check Result Control for Accumulation, Data **Printout & Data Output**
- **Keypad Lock Function**

#### **Platform Features**

- SUS #304 Stainless Steel Structure
- Rugged Structure for Harsh and Rugged **Environment**
- Complete Sealed Design Platform to Prevent **Liquid Penetration**
- Overload Protection Devices to Withstand **Shocks & Overloads**
- **Aluminum Load Cell to Increase Accuracy**









## 190S2 Stainless Steel Multi-Function Bench Scales Series

#### **Operation and Management Features**

- Completely Sealed Heavy Duty SUS #304 Stainless Steel Housing. Designed according to IP66
- Configurable Machine ID, Machine Group and Operator Number to **Enhance Ease of Multi-Scales Applications and Management Records**
- **Customer & Product Code Support Numeric Numbers When Input through**
- Customer & Product Code Support Numbers, Alphabets and Symbols **Characters When Input Through Scanner or PC**
- 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
- All Current Operation Results Output in Data Base Format Increases Ease & Efficiency of Data Management, Processing & Analysis
- Support Ticket Printer and Label Printer (Datecs LP-50 & TSC TDP-225, TDP-247, TDP-345, TTP-225, TTP-247, TTP-345)
- 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**





Adjustable Tri-Color Check Result Backlight

#### **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.









## 190S2 Stainless Steel Multi-Function Bench Scales Series

#### **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



#### **Output Formats**

Time 14:27:24 Date 2016-10-06 Seq - 1 Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A 5.000kg Net Tare 2.500kg Gross 7.500kg Total 5.000kg 10.005kg High 9.995kg Low Below limit

Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A Opr 3333 Mac 8888 MacGp 77 Date 2016-10-06 Time 14:25:24 Seq Gross Net 001 7.500 5.000 kg 002 7.500 5.000 kg 003 9.999 7.499 kg 004 9.999 7.499 kg 005 12.500 10.000 kg 006 5.000 2.500 kg 006 37.498 kg

Name VNFHRUDHFLQAUOKMCB Pcode 12345678901234567A Opr 3333 Mac 8888 MacGp 77 Date 2016-10-06 Seq Time Net 001 14:26:11 2.500 kg 002 14:26:14 5.000 kg 003 14:26:18 7.499 kg 004 14:26:25 2.500 kg 005 14:26:28 5.000 kg 006 14:26:31 7.499 kg 006 Total 29.998 kg

#### Printout Format #2

#### Printout Format #4

#### Printout Format #5

	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			Mode 1	Mac 8888				Name VNFHRUDHFLQAUMCB		Gross 5.000	Tare 2.500	Net 2.500	Total.W 2.500			Unit.W 0.12499				Result Accept	Total.C 19999
	3333	1	Mode 1 1		77	2016/10/6	11:18:18		12345678901234567A					kg	19999		g	19995	20005		
Piece Count	3333 3333	1 2	1	8888	77 77	2016/10/6 2016/10/6	11:18:18 11:18:25	VNFHRUDHFLQAUMCB	12345678901234567A 12345678901234567A	5.000	2.500	2.500	2.500	kg kg	19999 40002	0.12499	g	19995 19995	20005 20005	Accept	19999
Piece Count Piece Count	3333 3333 3333	1 2 3	1 1 1	8888 8888	77 77 77	2016/10/6 2016/10/6 2016/10/6	11:18:18 11:18:25 11:18:31	VNFHRUDHFLQAUMCB VNFHRUDHFLQAUMCB	12345678901234567A 12345678901234567A 12345678901234567A	5.000 7.500	2.500 2.500	2.500 5.000	2.500 7.500	kg kg kg	19999 40002 20003	0.12499 0.12499	g g g	19995 19995 19995	20005 20005 20005	Accept Abovelimit	19999 60001
Piece Count Piece Count Piece Count	3333 3333 3333 3333	1 2 3 4	1 1 1	8888 8888 8888	77 77 77 77	2016/10/6 2016/10/6 2016/10/6 2016/10/6	11:18:18 11:18:25 11:18:31 11:18:37	VNFHRUDHFLQAUMCB VNFHRUDHFLQAUMCB VNFHRUDHFLQAUMCB	12345678901234567A 12345678901234567A 12345678901234567A 12345678901234567A	5.000 7.500 7.500	2.500 2.500 5.000	2.500 5.000 2.500	2.500 7.500 10.000	kg kg kg kg	19999 40002 20003 20003	0.12499 0.12499 0.12499	g g g	19995 19995 19995 19995	20005 20005 20005 20005	Accept Abovelimit Accept	19999 60001 80004

Database Output Content Illustration: - Weighing and Piece Count Mode

#### **Options**

- SUS #304 Stainless Steel Pillar
- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- LP-50, TDP-225, TTP-225, TTP-247, TTP-345 Label Printer
- Serial Bar Code Scanner
- WM Wireless Communication Module
- RD-DOT Dot Matrix Remote Display
- Built-in 4-Channel Control Relay Board (Factory installation required, rechargeable battery has to be removed)
- Built-in LAN Communication Module (Rechargeable Battery has to be removed)

## 190S2 Stainless Steel Multi-Function Bench Scales Series

**Specifications** 

MadalNa	Compositu	Read	ability	Platform	ID Dating				
Model No.	Capacity	Approved Non-Approved		Dimensions	IP Rating				
190S2-B30	30kg	0.01kg	0.001kg						
190S2-B60	60kg	0.02kg	0.002kg	300 x 400mm	IP65				
190S2-B150	150kg	150kg 0.05kg 0.005kg							
190S2-F30	30kg	0.01kg	0.001kg						
190S2-F60	60kg	0.02kg	0.02kg 0.002kg		IP65				
190S2-F150	150kg	0.05kg	0.005kg	400 x 500mm	IPOS				
190S2-F300	300kg	0.1kg	0.01kg						
190S2-L60	60kg	0.02kg	0.002kg						
190S2-L150	150kg	0.05kg	0.005kg	500 x 650mm	IP65				
190S2-L300	300kg	0.1kg	0.01kg						
Load Cell  • Approval: - OIML C3 • Material: - Aluminum									
Weight Units	kg, g, lb								
Display	y 6 x 45mm Huge Size Bold Type Wide Angle LCD Numeric Digits								
Micro Processor	essor 32-bit High Speed & High EMC Immunity								
A/D Converter	nverter 24 bit Low-Noise Delta to Sigma (Δ-Σ)								
Fare Range - Max (Subtractive Tare)									
Accessories	Accessories Universal Power Adaptor								
Operating Environment -10 ~ 40°C (14 ~ 104°F) Non-condensed R.H. ≤85%									
	n the interest of im	provement, specif	ications may chan	ge prior to notice					

REV.: 190S2/23/06/03