



### Functions

- Weighing, Action-Tare-Memory, Piece Counting, Peak Hold, Animal Weighing
- Near Zero Weight Value for Dynamic Weighing to avoid False Signal Output
- Auto, Manual, Pre-set, Repetitive & Continuous Tare Operation
- 10 x Quick Access PLUs for Lo/Hi Limit and Preset Tare for each Weight Unit
- 10 x Direct Access PLUs for Product & Customer Code
- Weight and Quantity Check Mode
- Check Result Control for Accumulation, Data Printout & Data Output
- Keypad Lock Function

### Indicator Features

- Configurable Machine ID, Machine Group and Operator Number to Enhance Ease of Multi-Scales Applications and Management Records
- 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 Barcode Scanner
- Tri-Color Check Result Indication
- 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
- Label Printers Supported:
  - Datecs: LP-50
  - TSC: TDP/TTP-225, TDP/TTP-247, TDP/TTP-345, DH/TH220 Series, DH/TH240 Series, DH/TH340 Series
- Real Time Clock



### Platform Features

- Epoxy Coated Heavy Duty Q235 Mild Steel Structure
- Safe Overload = 150%
- Ultimate Overload = 300%
- #304 Stainless Steel Platform Cover with Noise Absorption Layer
- Overload and Transportation Protection Device

***Versatility, Functionality and Accuracy are always Built-in***

# 190i+KS Heavy Duty Bench Scales Series

## Specifications

Model No.	Capacity (Max) x Division (kg)		Platform Dimensions
	Approved (Dual Range)	Non-Approved	
190i+KS-B30	15/30 x 0.005/0.01	30 x 0.005	330 x 450mm
190i+KS-B60	30/60 x 0.01/0.02	60 x 0.01	
190i+KS-B150	60/150 x 0.02/0.05	150 x 0.02	
190i+KS-F30	15/30 x 0.005/0.01	30 x 0.005	420 x 520mm
190i+KS-F60	30/60 x 0.01/0.02	60 x 0.01	
190i+KS-F150	60/150 x 0.02/0.05	150 x 0.02	
190i+KS-F300	150/300 x 0.05/0.1	300 x 0.05	
190i+KS-F600	300/600 x 0.1/0.2	600 x 0.1	
190i+KS-L30	15/30 x 0.005/0.01	30 x 0.005	500 x 600mm
190i+KS-L60	30/60 x 0.01/0.02	60 x 0.01	
190i+KS-L150	60/150 x 0.02/0.05	150 x 0.02	
190i+KS-L300	150/300 x 0.05/0.1	300 x 0.05	
190i+KS-L600	300/600 x 0.1/0.2	600 x 0.1	
190i+KS-XL60	30/60 x 0.01/0.02	60 x 0.01	600 x 800mm
190i+KS-XL150	60/150 x 0.02/0.05	150 x 0.02	
190i+KS-XL300	150/300 x 0.05/0.1	300 x 0.05	
190i+KS-XL600	300/600 x 0.1/0.2	600 x 0.1	
Weight Units	kg, g, lb		
Display	6 x 45mm Huge Size Bold Type Wide Angle LCD Numeric Digits		
A/D Converter	24 bit Low-Noise Delta to Sigma ( $\Delta$ - $\Sigma$ )		
Max. Tare Range	-Max or -Max <sub>1</sub> (Subtractive Tare)		
Power Source	<ul style="list-style-type: none"> <li>Built-in Rechargeable Battery = 6V, 4AH</li> <li>External Power Adaptor = DC 12V, 1A</li> </ul>		
Accessories	Built-in Rechargeable Battery, Universal Power Adaptor, Indicator Dust Cover, Pillar, Adjustable Feet and Bubble Level		
Packing	Individually Packed. Dimensions and Weights <ul style="list-style-type: none"> <li>With B Platform: - 71 x 56 x 22cm. Net / Gross = 12.50 / 15.00kg</li> <li>With F Platform: - 88 x 57 x 24cm. Net / Gross = 20.00 / 22.50kg</li> <li>With L Platform: - 106 x 75 x 26cm. Net / Gross = 26.50 / 30.00kg</li> <li>With XL Platform: - 121 x 84 x 26cm. Net / Gross = 35.5 / 40.00kg</li> </ul>		
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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# 190i+KS Heavy Duty Bench Scales Series



Adjustable Tri-Color Check Result Backlight

## Database Output Format

	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	12345678901234567A	7.500	2.500	5.000	20.000	kg	40002	0.12499	g	19995	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
Tare 2.500kg
Gross 7.500kg
Total 5.000kg

High 10.005kg
Low 9.995kg
Below limit
    
```

Printout Format #2

```

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
    
```

Printout Format #4

```

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 #5

## Options

- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- Serial Bar Code Scanner
- WM Wireless Communication Module
- RD-DOT Dot Matrix Remote Display



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