



# C10 Series Configurable Counting Scales



**C10** is a configurable counting scale designed for highly demanding industrial counting and weighing applications.

### What's Inside

Super strong load receiving structure is the back born of fast and stable results. While the 32-bit micro-processor, 24-bit A/D converter, superior electronics, Alibi memory which stores more than 130,000 transactions, unsurpassed innovative program, new linearity compensation method, comprehensive range of flexible & selectable operation parameters, user selectable AD conversion speed, 1.2 million counting resolution... etc. together make **C10** an extraordinary piece count and weighing scale.



### Expandability & Flexibility... 1 + 1 = 3

When equipped with an optional external platform, **C10** turns 2 platforms into 3 scales. Switching

among the built-in platform, external platform and 2 platforms together is just a matter of fingertips.

### Speeds Up Production & Less Human Error

**C10** memorizes your operation settings and entries for hundreds of different application.

Barcode scanner provides even faster, easier and error free operator number, product and customer code entry and some commonly used operation key input.

By just 4 key pressings, all detailed operation settings and entries, from platform to use, customer, product code & description, unit weight, check limits, tare behavior or pre-tare value to expiry date of an application are recalled and employed immediately.

The wide-angle LCD plus the Tri-Color backlight display weight, unit weight, number of pieces and other operation status / information and check results crystal clear even in dim and dark environment.



*Adjustable Tri-Color Check Result Backlight*

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

# C10 Configurable Counting Scales

## Transaction Data is always Secured & Ready

Transaction data is collected in real time, centrally stored and is ready for retrieval from locally or remotely.

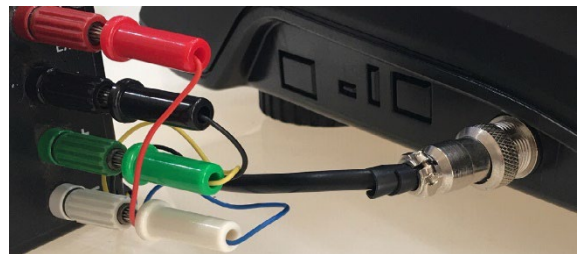
Productivity & production volume analysis per each employee, production line, plant, customer and product with yield rate data is made possible just by several clicks on PC keyboard.

## Connectivity

- Standard 2 x Independent Configurable RS232 Comports.
- Baud Rate = 1200 ~ 921600
- 10 x predefined and 1 x custom output protocol.
- Optional Independent Configurable RS485
- Optional WIFI and Bluetooth Module
- Optional 3 x Configurable External Inputs
- Optional External Platform Input



All these together guarantee the flawless connection with all kinds of peripherals like remote display, ticket and label printers, computer database, foot pedals, ERP system etc.



## Android and iOS APPs

Powerful Android and iOS Apps are built to turn your smart devices into a handheld terminal, remote display, remote data input center and controller of your **C-10** connected.



These Apps support connection via Bluetooth and WIFI. To download, just search for: -

- aConnect at Google Play
- FMDirect at App Store

## Operation Features

- Full Numeric and Functions keyboard
- Tri-Color Backlight
- Support Single Range, Dual Range and Dual Interval Operation
- External Platform Supports Free Capacity and Division Setting
- Near Zero Weight Value for Dynamic Weighing to avoid False Signal Output
- Manual, Preset, Repetitive and Continuous Tare Operation
- Continuous Tare with Configurable Delay Time before Tare Action
- Fast Manual Tare, Zero and Print/M+ Key, Operator Number, Customer and Product Code Entry via Barcode Scanner
- Real Time Clock with Backup Battery
- Configurable Keypad, Check & System Buzzer
- 9 x Selectable Filter Strength Levels plus 4 x AD Conversion Speed

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## Management Features

- Configurable Machine ID, Machine Group and Operator Number to Enhance Ease of Multi-Scales Applications and Management Records
- Daily, Monthly, Specific Period Report Output
- Multi Search Criteria for Report Generation
- Support Inquiry, Setting and Execution Commands from PC
- Check Result Control for Accumulation, Data Printout & Data Output
- Keypad Lock Function
- All Current Operation Results Output in Database Format for Data Management, Processing & Analysis
- 10 x Quick Access PLU (for each weight unit) for Unit Weight, Quantity Check Limits, Weight Check Limits, Pre-Set Tare
- 100 x Quick Access PLUs for each of Customer Code & Description and Product Code & Description.
- 99 x Customized Operation Settings and Entries PLUs per each Platform (P1, P2 and P1+2 together)
- All Current Operation Results Output in Data Base Format Increases Ease & Efficiency of Data Management, Processing & Analysis
- 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
  - Sbarco = all Models with Serial Port
- Selectable Portrait / Landscape Ticket Printout Format
- User Programmable and 10 x built-in Predefined Continuous / Interval Output Protocol
- Support Product Expiry Duration Input and Output

## Data Output Formats

### Format #1

Date	Time	Seq	PF#	Net	Tare	Gross	Total_WT	QTY	@WT	Total_QTY	Ref.	Result
2018/11/29	14:07:12	0001	P1	2.500kg	0.000kg	2.500kg	2.500kg	2000	1.25000g	2000	pcs	Below
2018/11/29	14:07:15	0002	P1	5.000kg	0.000kg	5.000kg	7.500kg	4000	1.25000g	6000	pcs	Accept
2018/11/29	14:07:17	0003	P1	7.501kg	0.000kg	7.501kg	15.001kg	6001	1.25000g	12001	pcs	Above
2018/11/29	14:07:19	0004	P1	10.000kg	0.000kg	10.000kg	25.001kg	8000	1.25000g	20001	pcs	Above

Format #2				Format #4				Format #5				
Time	14:08:09	Name	FM	Name	FM	Name	FM					
Date	2018-11-29	Pcode	DC-10	Pcode	DC-10	Pcode	DC-10					
Seq	1	Opr	1111	Opr	1111	Opr	1111					
PF#	P1	Mac	22	Mac	22	Mac	22					
Name	FM	MacGp	03	MacGp	03	MacGp	03					
Fidelity												
Pcode	DC-10	Date	2018-11-29	Date	2018-11-29	Date	2018-11-29					
Configurable Indicator		Time	14:09:25	Time	14:09:25	Time	14:09:25					
Net	2.500kg	Seq		Seq		Seq						
Total_WT	2.500kg	QTY		QTY		QTY						
QTY	2000pcs	Net		Net		Net						
@WT	1.25000 g	0001 P1	2000 2.500kg	0001 P1	2000 2.500kg	0001 P1	2000 2.500kg					
Total_QTY	2000pcs	0002 P1	4000 5.000kg	0002 P1	4000 5.000kg	0002 P1	4000 5.000kg					
		0003 P1	6001 7.501kg	0003 P1	6001 7.501kg	0003 P1	6001 7.501kg					
		0004 P1	8000 10.000kg	0004 P1	8000 10.000kg	0004 P1	8000 10.000kg					
High	5000pcs											
Low	2500pcs											
Result	Below	0004 P1		0004 P1		0004 P1						
		Total	20001 25.001kg	Total	20001 25.001kg	Total	20001 25.001kg					

### Format #3

Opr	Seq	Platform	Mac	MacGp	Date	Time	Name	Product	Gross	Tare	Net	Total.W	Unit	Count	Unit.W	Unit	Lo	Hi	Target	Result	Total.C
1111	0001	P1	22	03	2018/11/29	14:03:54	FM	DC-10	2.500	0.000	2.500	2.500	kg	2000	1.250	g	2500	5000	pcs	Below	2000
1111	0002	P1	22	03	2018/11/29	14:03:57	FM	DC-10	5.000	0.000	5.000	7.500	kg	4000	1.250	g	2500	5000	pcs	Accept	6000
1111	0003	P1	22	03	2018/11/29	14:03:59	FM	DC-10	7.500	0.000	7.500	15.000	kg	6000	1.250	g	2500	5000	pcs	Above	12000
1111	0004	P1	22	03	2018/11/29	14:04:01	FM	DC-10	10.000	0.000	10.000	25.000	kg	8000	1.250	g	2500	5000	pcs	Above	20000

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## Specifications

Model	Capacity (Max)	Readability (d)	n <sub>max</sub>
C10-3000L	3000g	0.1g	30,000
C10-6000L	6000g	0.2g	30,000
C10-15KL	15kg	0.5g	30,000
C10-30KL	30kg	1g	30,000
C10-6000M	6000g	0.1g	60,000
C10-15KM	15kg	0.2g	75,000
C10-30KM	30kg	0.5g	60,000
C10-10KH	10kg	0.1g	100,000
C10-20KH	20kg	0.2g	100,000
Platter	240 x 295mm ABS Platter with SUS304 Stainless Steel Insert		
Displays	<b>Bold Type Wide Angle LCD</b> <ul style="list-style-type: none"> <li>Count: - 6 x 29mm Numeric Digits</li> <li>Weight &amp; @Weight: - 6 x 14mm Numeric Digits</li> </ul>		
Weight Units	Standard = Metric (kg or g). Imperial (lb) = available upon requested		
Max. Tare Range	-Max or -Max <sub>1</sub> (Subtractive Tare)		
AD Conversion Speed	15, 30, 60, 120 times/second		
Counting Resolution	1.2 million		
Repeatability (Typical)	1.5d		
Power Source	<ul style="list-style-type: none"> <li>Rechargeable Battery = 6V, 4AH</li> <li>External Power Adaptor = DC 12V, 1A</li> </ul>		
Operation Environment	<ul style="list-style-type: none"> <li>Version L: 0 ~ 40°C</li> <li>Version M &amp; H: 10 ~ 35°C</li> <li>Non-condensed. R.H. ≤ 85%</li> </ul>		
Accessories	<ul style="list-style-type: none"> <li>Rechargeable Battery, Power Adaptor, Dust Cover, Bubble Level</li> </ul>		
Packing	Individually Packed: - <ul style="list-style-type: none"> <li>Dimensions = 40 x 37 x 20cm. Net / Gross = 4.5 / 5.5kg</li> </ul> 4 Units in Shipping Carton: - <ul style="list-style-type: none"> <li>Dimensions = 77 x 43 x 45cm. Net / Gross = 18 / 24kg</li> </ul>		

## Optional External Platform Input

Capacity and Readability	Free Setting
Load Cell Connection	<ul style="list-style-type: none"> <li>Excitation Voltage = 5V DC</li> <li>Support both 4-wire &amp; 6-wire Load Cells</li> <li>Maximum Load Cell Connection = 10 x 350Ω or 20 x 700Ω Load Cells</li> </ul>
A/D Converter & Internal Resolution	<ul style="list-style-type: none"> <li>24 bit Low-Noise Delta to Sigma (<math>\Delta</math>-<math>\Sigma</math>)</li> <li>3.2 million Counts at 15 mV</li> <li>Minimum input per d = 0.05μV</li> </ul>

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

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## Options

- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- RD-DOT Dot Matrix Remote Display
- Built-in RS485 Communication Module
- Built-in Bluetooth 2.0 or 4.0BLE Module
- Built-in WIFI Communication Module
- External WM Wireless Communication Module
- Secondary Weighing Platform Input
- Bluetooth 2.0 Wireless Barcode Scanner
- Serial Cable Barcode Scanner



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