



DC-10 is a configurable counting indicator specially designed for highly demanding counting and weighing applications.

What's Inside

32-bit micro-processor, 24-bit A/D converter, superior electronics, Alibi memory for 130,000 plus transactions, unsurpassed innovative program, new linearity compensation method, comprehensive range of flexible, selectable operation parameters, selectable AD conversion speed and 1.2 million counting resolution.



Expandability & Flexibility... 1 + 1 = 3

When equipped with optional secondary platform, **DC-10** turns these 2 platforms into 3 scales.

Switching among platform 1, platform 2 and platform 1+2 is just a matter of fingertips.

Speeds up Production & Less Human Error

DC-10 memorizes your operation settings and entries for hundreds of different products, smallest to bulk quantities, from candies to the metal screws.

Full numeric and functions keyboard ensures most straight-forward unit weight, sample entries and operation control. While large LCD display with tri-color backlight to display total weight, unit weight, number of pieces and other operation status / information plus tri-colored display makes target weight or counting check results readings nothing more than a glance even in dim environment.

Just by 4 pressings, all detailed operation settings and entries, from platform to be used, customer, product code & description, unit weight, set points, tare behavior, pre-tare value to expiry date, of a particular product are recalled and employed.



Adjustable Tri-Color Check Result Backlight

Versatility, Functionality and Accuracy are always Built-in

DC-10 Configurable Counting Indicator

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 a matter of just several clicks on PC keyboard.



Flawless Connectivity

Maximum 4 independent configurable comports in either RS232, TTL, RS485, WIFI, Bluetooth or LAN, plus various predefined and custom output protocols. All these together guarantee the flawless connection with all kinds of peripheral from remote display, ticket and label printers, computer database to ERP system.

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
Date 2018-11-29	Pcode DC-10	Pcode DC-10
Seq 1	Opr 1111	Opr 1111
PF# P1	Mac 22	Mac 22
Name FM	MacGp 03	MacGp 03
Fidelity		
Pcode DC-10	Date 2018-11-29	Date 2018-11-29
Configurable Indicator	Time 14:09:25	
Net 2.500kg		Seq Time QTY
Total_WT 2.500kg		0001 P1 14:10:21 2000
QTY 2000pcs	Seq QTY Net	0002 P1 14:10:23 4000
@WT 1.25000 g	0001 P1 2000 2.500kg	0003 P1 14:10:24 6000
Total_QTY 2000pcs	0002 P1 4000 5.000kg	0004 P1 14:10:26 8000
	0003 P1 6001 7.501kg	
	0004 P1 8000 10.000kg	
	-----	0004 P1 Total: 20000
High 5000pcs	-----	
Low 2500pcs	0004 P1	
Result Below	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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DC-10 Configurable Counting Indicator

Operation Features

- Full Numeric and Functions keyboard
- Tri-Color Backlight
- Support Single Range, Dual Range and Dual Interval Operation
- 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
- Real Time Clock with Backup Battery
- Watchdog System to Prevent Damages Caused by Load Cell Short-circuit
- Configurable Keypad, Check & System Buzzer
- Secondary Weighing Platform Input (Optional)
- 9 x Selectable Filter Strength Levels plus 4 x AD Conversion Speed

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 Customer Code & Description and Product Code & Description Input
- Check Result Control for Accumulation, Data Printout & Data Output
- Keypad Lock Function
- Support Inquiry, Setting and Execution Commands from PC
- Alibi Memory to Store 130000 plus Transactions
- 10 x Quick each for Unit Weight, Quantity Check Limits, Weight Check Limits, Pre Set Tare, Customer Code & Description and Product Code & Description
- 100 x Operation Settings and Entries PLUs per each Platform (P1, P2 and P1+2 together)
- Customer & Product Code and Description Support Numbers, Alphabets and Selected Symbols
- 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
- 10 x Built-in Predefined Continuous / Interval Output Protocol
- User Programmable Continuous / Interval Output Protocol
- Support Product Expiry Duration Input and Output

Connectivity

- Maximum 4 independent configurable Comports
- Baud Rate = 1200 ~ 921600
- Standard Hardwire Connection = RS232, TTL and RS485 (Optional)
- Optional Wireless Connection = WIFI, BT 2.0/4.0BLE
- Built-in 4-Channel Control Relay Board (Optional)
- 3x Configurable External Inputs (Built-in)
- Secondary Weighing Platform (Optional)



DC-10 always delivers unexceptional fast, accurate and stable results for all counting and weighing applications, from tiny electronic components to heavy metal parts, accurately, quickly and easily.

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Specifications

Capacity and Readability / Platform	Free Setting
Weighing Range / Platform	Single Range, Dual Range, Dual Interval
Displays	Bold Type Wide Angle LCD <ul style="list-style-type: none">• Count: - 6 x 36mm Numeric Digits• Weight: - 6 x 17mm Numeric Digits• @Weight: - 6 x 17mm Numeric Digits
Load Cell Connection / Platform	<ul style="list-style-type: none">• Excitation Voltage = 5V DC• Support both 4-wire & 6-wire Load Cells• Maximum Load Cell Connection = 10 x 350Ω or 20 x 700Ω Load Cells• Maximum Load Cell Rated Output 4mV/V
A/D Converter & Internal Resolution / Platform	<ul style="list-style-type: none">• 24 bit Low-Noise Delta to Sigma (Δ-Σ)• 3.2 million Counts at 15 mV• Minimum input per d = 0.05μV
AD Conversion Speed	15, 30, 60, 120 times/second
Max. Tare Range / Platform	<ul style="list-style-type: none">• -Max for Single Weighing Interval or• -Max₁ (Subtractive Tare)
Counting Resolution / Platform	1.2 million
Safe @Weight	$\geq 1/10e$ of the Sampling Platform
Least @Weight	$\geq 1/600,000$ of Rated Capacity of the Sampling Platform
Calibration Methods / Platform	<ul style="list-style-type: none">• 2 Span Points Calibration (Linearity Calibration), or• 1 Span Point Calibration, or• Numeric Calibration Through Keyboard
Power Source	<ul style="list-style-type: none">• Built-in Rechargeable Battery = 6V, 4AH• External Power Adaptor = DC 12V, 1A
Accessories	Pillar Mount Holder (\varnothing 35~38mm), Built-in Rechargeable Battery, Universal Power Adaptor, Dust Cover
Packing	Individually Packed <ul style="list-style-type: none">• Dimensions = 36 x 32 x 16cm. Net / Gross = 2.35 / 2.85kg 6 Units in Shipping Carton <ul style="list-style-type: none">• Dimensions = 102 x 35 x 35cm. Net / Gross = 17.00 / 18.50kg
Operation Environment	-10 ~ 40°C. Non-condensed. R.H. \leq 85%

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

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Options

- Stainless Steel Wall/Desk Mount Holder
- SP-POS58IV & SP-POS88IV Thermal Ticket Printer
- Datecs LP-50 and TSC TDP-225, TTP-225, TTP-247, TTP-345 Label 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
- Built-in 4-Channel Control Relay Board (Factory Installation)
- External WM Wireless Communication Module
- Secondary Weighing Platform Input



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