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# **Model: DAC-DC-150**

REV: A    2012-05-26

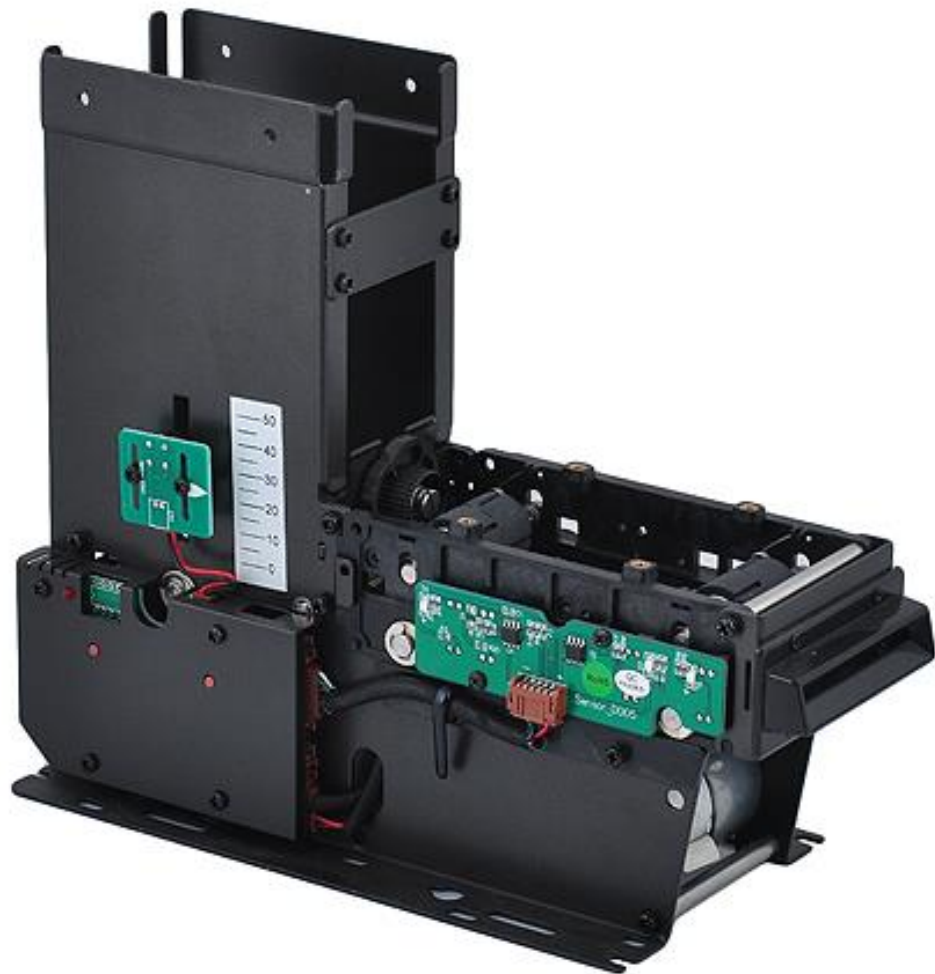
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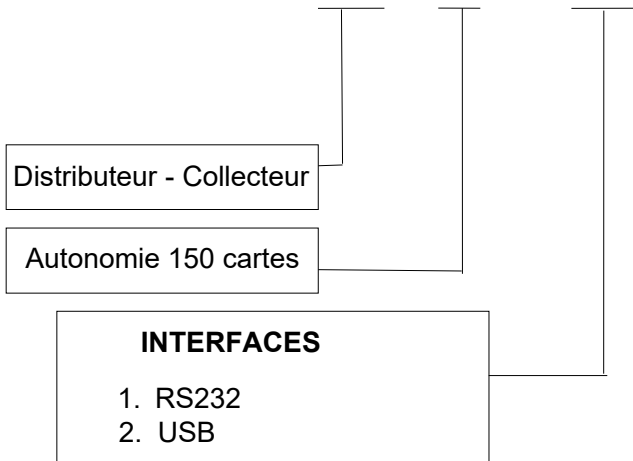
## 1. Product Image



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## 2. Model Number

DAC-DC-150-RS232



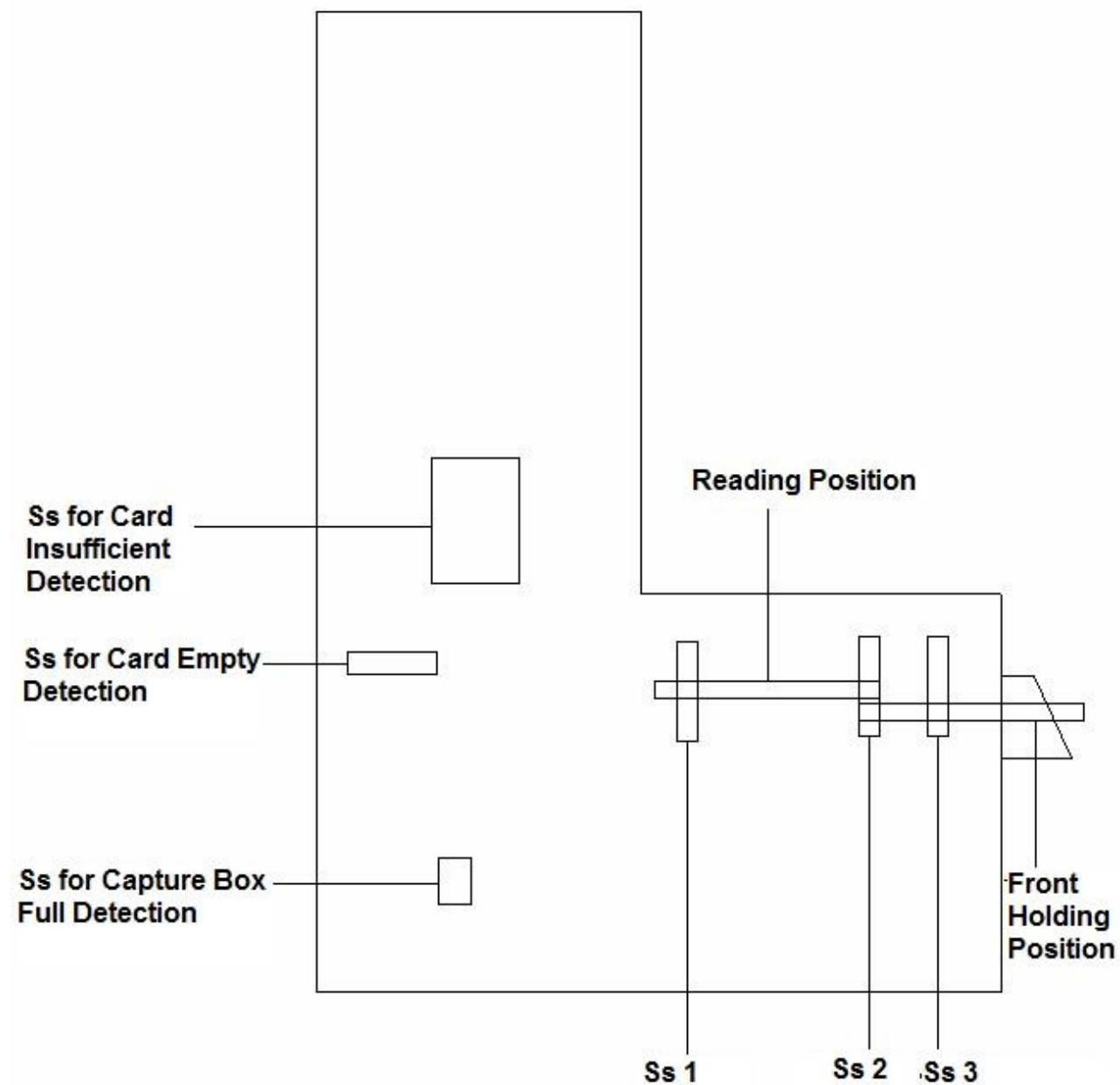
### Accessories options:

\* Extension Stacker (model no.: DAC-EXTENSION)

## 3. Overview

DAC-DC-150-xxx series card dispenser is a high-performance card issuing device which primarily dispenses paper tickets and PVC cards to users according to instructions from HOST. It is primarily applicable to self-service terminals such as parking lot management system, expressway toll gate, self-service charging system, self-service card vending terminal, etc.

## 4. Structure and Card Stop Position



Ss: Sensor

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## 5. Features

5.1.	<b>Unique dispensing wheel</b> design: is capable of issuing various embossing cards accurately.
5.2.	Convenient and simple <b>card adjustment</b> design: is stable and accurate to dispense cards with various thicknesses.
5.3.	<b>Compact structure</b> design: effectively saves space for the complete machine.
5.4.	Rear card <b>capture box</b> : provides convenience for card management.
5.5.	Simple <b>collection channel</b> design: satisfies user requirement for large collection amount.
5.6.	<b>Multiple sensors</b> : are able to judge the card position and indicate the card status.
5.7.	Scientific <b>card transfer wheel</b> design: automatically avoids dust accumulation which will lead to slippage.
5.8.	Multiple levels of <b>sensor circuit protection</b> : prevents optical interference.
5.9.	Supports <b>multiple communications</b> (max. 16 C/Ds).
5.10.	Supports <b>online upgrade program</b> .

## 6. Technical Specifications

### 6.1. Card Supported

86L x 55W mm (0.2~1.2mm thickness; factory standard: 0.8mm)

### 6.2. Communication Method

RS232 (RS232 supports multi communication with default address:15 )

### 6.3. Operating Conditions

Power Supply	DC24V±5%, 2.5A
Quiescent Current	200mA
Default Baud Rate	9600BPS/sec.

### 6.4. Card Stacker Capacity

155 pcs (0.76mm standard card.)

120 pcs (0.76mm embossing card.)

300 pcs (0.4mm thickness.)

### 6.5. Capture Box Capacity

25 pcs (0.76mm standard card)

(Capture box or capture channel is for option.)

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## 6.6. Service Life

Issuing Life: 1,000,000 passes min.

## 6.7. Operation /Storage Environment

Operation Temperature / Humidity	-10°C to 70°C, 0 to 90% RH without condensation
Storage Temperature / Humidity	-25°C to 80°C, 0 to 90% RH without condensation

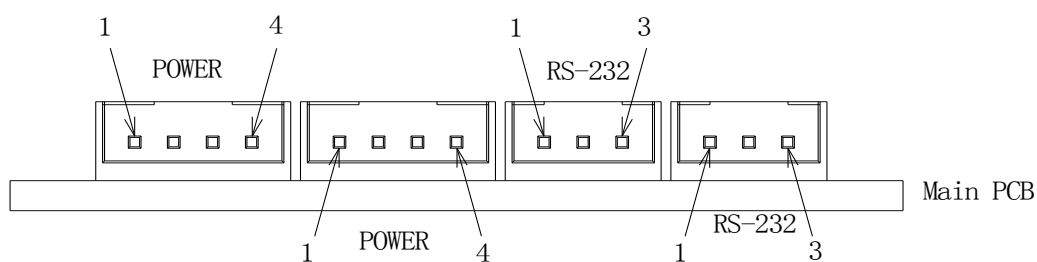
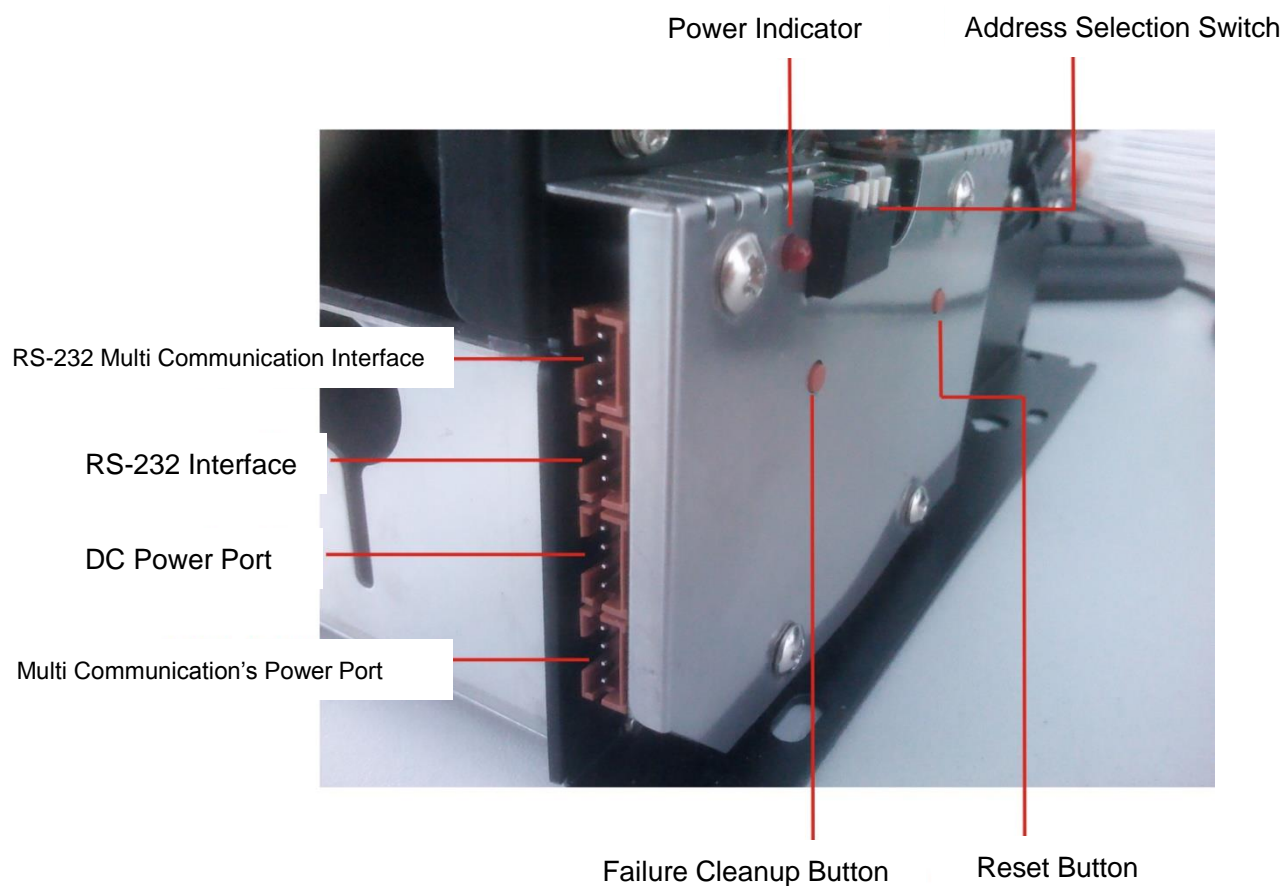
## 6.8. Net Weight

Approx. 1.6KG (excluding accessories and package)

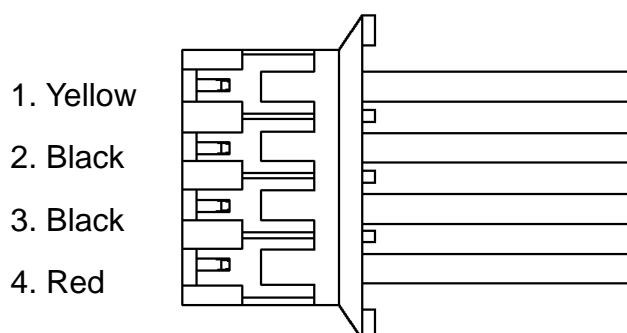
## 6.9. Dimension

236L x 100W x 200H mm

## 7. RS232 Interface Descriptions



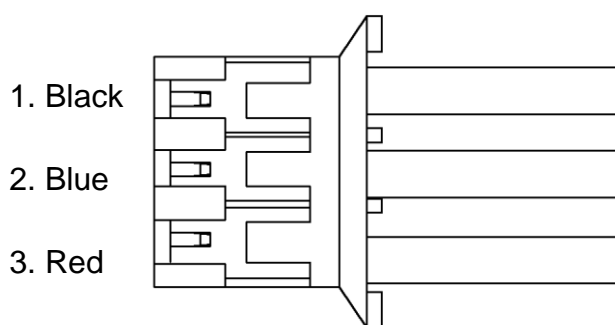
### 7.1. Power port descriptions



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No.	Signal	Functions
1	BPS	Backup power supply (Yellow)
2	GND	Ground (Black)
3	GND	Ground (Black)
4	+24V	DC+24V power input port (Red)

## 7.2. Com port descriptions



No.	Signal	Functions
1	SGN	Ground switch (Black)
2	TXD	PC transmit data (Blue)
3	RXD	PC receive data (Red)

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### 7.3. Dial switch address settings

Address	Dial Switch Settings			
	1	2	3	4
00	ON	ON	ON	ON
01	OFF	ON	ON	ON
02	ON	OFF	ON	ON
03	OFF	OFF	ON	ON
04	ON	ON	OFF	ON
05	OFF	ON	OFF	ON
06	ON	OFF	OFF	ON
07	OFF	OFF	OFF	ON
08	ON	ON	ON	OFF
09	OFF	ON	ON	OFF
10	ON	OFF	ON	OFF
11	OFF	OFF	ON	OFF
12	ON	ON	OFF	OFF
13	OFF	ON	OFF	OFF
14	ON	OFF	OFF	OFF
15	OFF	OFF	OFF	OFF

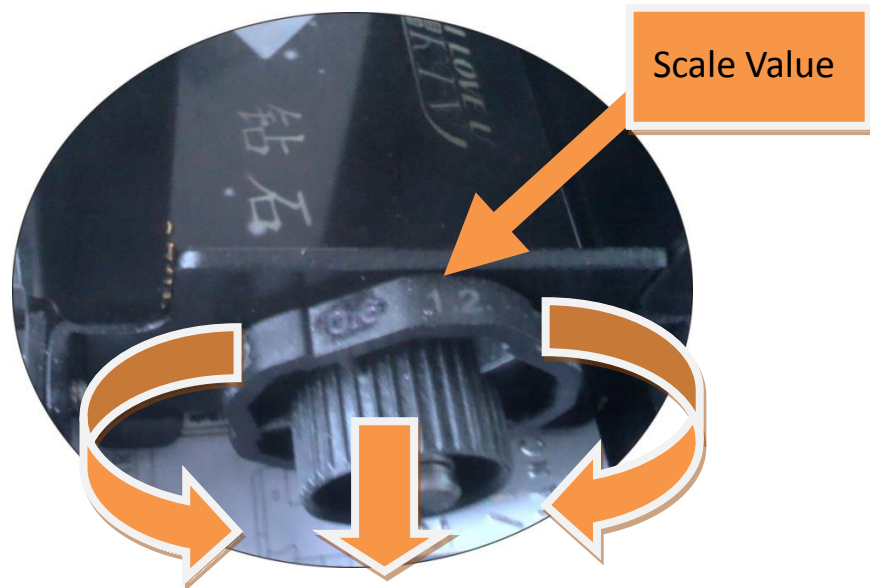
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## 7.4. Operation sequence

7.4.1. Connect power line and RS232 serial port line (pay attention to the negative and positive).

7.4.2. Open DEMO and select corresponding COM NO. to set baud rate. Baud rate 1200~1152000BPS could be selected and default is 9600BPS. Click OPEN COM in DEMO and program will automatically search for COM NO. and baud rate.

7.4.3. Card thickness adjustment



Pull out the turn-knob lightly (approx. 1.5mm), turn the knob clockwise or anticlockwise to the scale value of dispensing card thickness, and then release the knob (a click would be heard). Card thickness adjustment succeeds. (Turn the knob to the right or left to see if it is fixed.)

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## 8. Maintenance

If C/D has dispensed 50,000 cards or worked for 5 months indoor, below maintenance is highly recommended. (In the other case, once 3 months' maintenance is advised for outdoor application varying from the working environment.)

- 8.1. Press the failure cleanup button when no card is inside, and wipe the rubbing wheel in the bottom of dispenser, rubber roller in card dispensing channel, and IC contact with soft cloth with alcohol to clear foreign materials.
- 8.2. Clean sensors in card dispensing channel with a small brush or dust blower.
- 8.3. Check the tightness and wear of belts to do adjustment or change if needed.
- 8.4. Check the gap of shutter and insert two cards together, and if two cards insertion succeeds, please adjust the turn-knob to accurate scale value.

### Notes:

One year's free warranty is provided started from the date when client received the goods, while damage caused by human reason is not within the warranty.

For following cases, fees for replaced parts or service charge would be required:

- 1) Mechanical damages caused by clients during the transportation or in the process of using.
- 2) Components or parts expired the guarantee time.
- 3) Damages caused by improper operations, or not conformed to user manual or warnings.

Breakdowns caused by personal disassembly, repair or modification.

