



User Manual



MODEL DIGI SERI DS

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1、 MAIN FEATURES AND SPECIFICATION

Introduction

This is a multi-function weighing balance that offer flexibility together with good features!

1-1. Main features:

- A: Automatic zero point tracking function.
- B: With multi-rang calibration.
- C: Tare function.
- D: Many units can be selection.
- E: Simple counting function and percentage function are applicable.
- F: Fast, stable and accurate display reading with simple operation.

1-2. Specification

Capacity (g)	150-6000	
Out Display	1/60000-1/150000 count	
Resolution		
Display	6-7 digits LCD display with backlight/LED display	
Tare	Full range of max capacity	
Power supply	Rechargeable battery DC 6V/1.3AH/Adapter AC	
	110~220V/DC 12V/ 500mA	
Temperature	Storage -10~+50℃ Work 0~+40 ℃	
Humidity	Storage 5%-90% R.H	Work 10%-80% R.H.

2、 PRECAUTIONS:

2-1、 Full charge the battery after unpacking the scale.

Recharge the battery: *When battery symbol appears on the LCD display, charge the battery with AC adapter, the balance of charge will light up in red, when it becomes green means charge completed. (It takes about 8 hours to full charge the battery.)*

2-2、 Install the equipment on a level and stable surface.

2-3、 Do not install the equipment near the air conditioning or a vibrating machine.

2-4、 Install the equipment in an environment with steady temperature(0℃ ~40℃), prevent from rapid temperature changes.

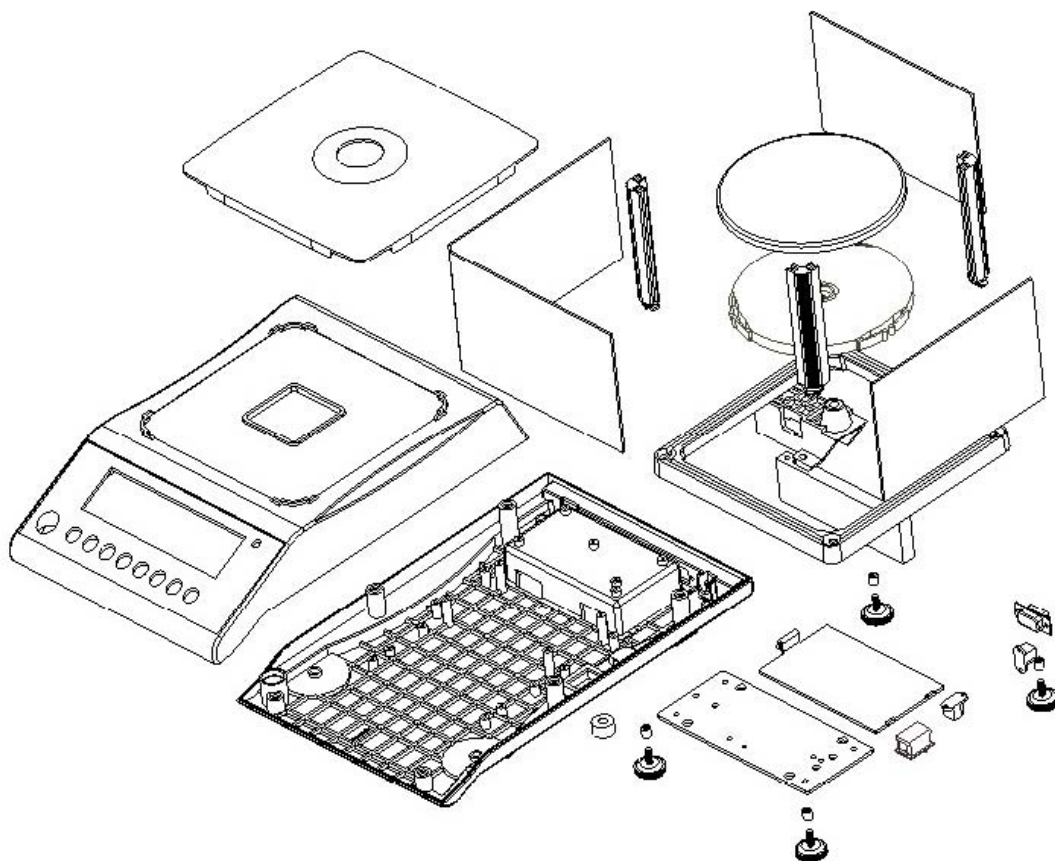
2-5、 Independent AC adapter for this equipment is recommended, check the

2-6、 Warm up the equipment for 15 minutes before use.

2-7、 Avoid overloading or dropping material onto the platform.

3、 INSTALLATION AND START TO USE

3-1、 Installation:



3-2、 Start to use (1)Accessories:

- ① adapter
- ② balance body
- ③ plastic pan
- ④ ss pan
- ⑤ wind shield

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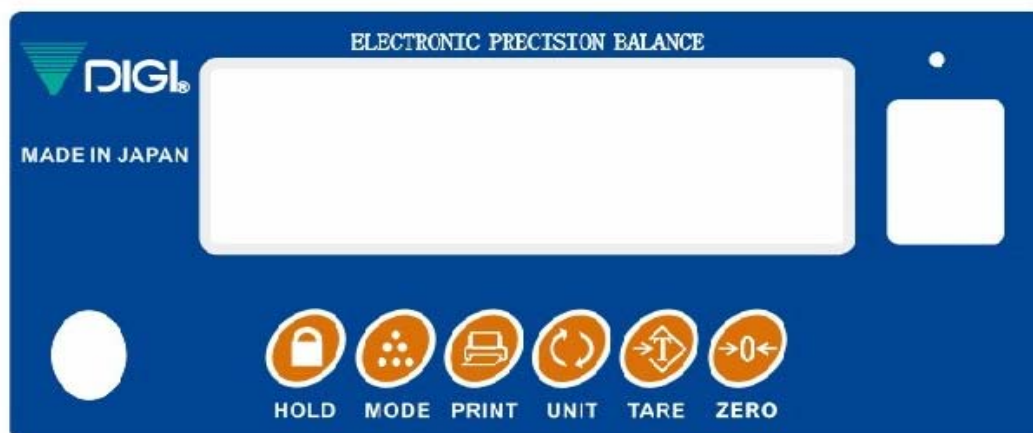
(2) Turn on the indicator

- ① Press the [ON/OFF] key.
- ② Wait till the screen displays "0.00". If it doesn't shows "0.00", press [ZERO] key to enter weighing mode.

4. KEYPAD AND PANEL INTRODUCTION

ITEM	OPERATION	FUNCTION	
ON/OFF	ON/OFF	Power switch	
ZERO	ZERO	Reset to zero	
TARE	TARE	Tare	
UNIT	UNIT	Change the present unit	
MODE	MODE	Change Weight/PCS/%	functions
PRINT	PRINT	Print out the data	
HOLD	HOLD	Lock the display weight value	

LCD MODEL:



5-1. Simple weighing

- ① Press the [on/off] key or Turn on the power switch on the right side of balance.
- ② The balance power on with beep and backlight flash.
- ③ Wait till the screen displays “0.00g”. Press [**ZERO**] key to enter weighing mode if the screen doesn’t display “0.00g”.
- ④ Put the object on weighing pan then read the weight within 2~3 seconds.

5-2. Tare function:

- ① Put the container (object) on weighing pan, press [**TARE**] to deduct the container(object) weight, the screen displays “0.00g”.
- ② Put more objects on the weighing pan, the screen displays weight of new objects excluding weight of container.

5-3. Units shift and setting Under weighing mode, press [**UNITS**] key to change to the unit you need. Open more units or close any units, please contact your local

agent.

5-4、 Simple counting setting

- ① Under weighing mode, press [**PCS**] choose the simple counting function. Put on the weights, if no unit weight setting before, screen will display “ 0 pcs” .
- ② Press [**UNIT**] key, enter quantity setting. The screen displays “ N-XXX” (“XXX” stands for sample quantity.)
- ③ Press [**UNIT**] key, move the digit.
- ④ Press [**TARE**] key, add up the percent digits.
- ⑤ Press [**ZERO**] key, reduce the percent digits.
- ⑥ Press [**PCS**] key, save the above setting, you can begin to use this function.

5-5、 Simple percent counting

In counting mode, press [**MODE**] to change % mode or weighting mode.

- ① Under weighing mode, press [**MODE**], choose the % function. Put on the weights, screen will display “ S-100 %”.
- ② Press [**MODE**] key, save the above setting, you can begin to use this function.
* * * * LED model do not have % mode, so only change to weighting mode.

5-6、 Hold function

- ① Press once to lock the percent weight value.
- ② Press again to cancel lock status. * * * * This function usually set to close, if you want to use this function, please contact your local agent.

5-7、 Printing function

connect the balance with PC or printer, this function is effective. Under weighing mode, press the [**PRINT**] key to print out percent weight value. **5-8、 Simple**

calibration

Attention: Essential to use the standard weight.

- ① Under weighing mode, press [**TARE**] key 2 seconds to enter simple calibration.
- ② Press [**UNIT**] to move the digits.
- ③ Press [**TARE**] key, add up the percent digits.
- ④ Press [**ZERO**] key, reduce the percent digits.

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- ⑤ Put on the right weights (the same as the display weight.)
- ⑥ Wait the stable symbol appears for 2 seconds.
- ⑦ Press [**MODE**] key, the buzzer will send out a short beep, that means simple calibration successfully.

6、 ERROR MESSAGE AND TROUBLESHOOTING

1、 Error message

Message	Problem
ADO---	Over A/D resolution range
ADL---	Low A/D resolution range
OVR---	Over load (max: capacity +9e)
Battery symbol	Low battery alarm
Lo-bAt	Low battery, Need charge

2、 Trouble shooting:

Where	Possible Error message	Trouble shooting.
Power on	ADO---	Check and remove the object from weighing pan or send back for repair.
Power on	ADL---	send back for repair.
Power on	Battery symbol	Charge the battery.
Normal weighing mode	OVR---	Check if weighing object over the capacity +9e.
Normal weighing mode	Lo-bAt	Charge the battery.

Model DS SERI

Model	DS 103	DS 203	DS 303	DS 302	DS 602	DS1002	DS 2002
Capacity (g)	100	200	300	600	600	1000	2000
Division (g)	0.001	0.001	0.001	0.01	0.01	0.01	0.01
Weighing Units	kg/g/lb/lb.oz/pcs						
Display	Green LCD display with 7 digits						
Pan Size	▷ 120 mm(stainless steel)						
Dimension	182*283*75mm						
Power Supply	Input 220V AC/Output 12v DC 500mA or 6v/1.3AH Battery						
Weight	Net weight: 1.5kg; Gross weight:2.3kg						
Packing	8pcs/carton; carton dimension 510*330*505mm; G.W.=18kg						
Option	Rear display / RS-232 / USB interface						

Model	DS1001	DS 2001	DS 3001	DS 2002	DS 3002	DS 6001	7501
Capacity (g)	1000	2000	3000	2000	3000	6000	7500
Division (g)	0.1	0.1	0.1	0.01	0.01	0.1	0.1
Weighing Units	kg/g/lb/lb.oz/pcs						
Display	Green LCD display with 7 digits						
Pan Size	ϕ 160 x 160 mm (stainless steel)						
Dimension	182*283*75mm						
Power Supply	Input 220V AC/Output 12v DC 500mA or 6v/1.3AH Battery						
Weight	Net weight: 1.5kg; Gross weight:2.3kg						
Packing	8pcs/carton; carton dimension 510*330*505mm; G.W.=18kg						
Option	Rear display / RS-232 / USB interface						

Model DS SERI

Model number	Capacity	Division	Pan Size (mm)	Dimension (mm)	Prices (USD)
DS 103	100g	0.001g	ϕ 120	182 x 183 x 75	450
DS 203	200g	0.001g	ϕ 120	182 x 183 x 75	495
DS 303	300g	0.001g	ϕ 120	182 x 183 x 75	550
DS 302	300g	0.01g	ϕ 120	182 x 183 x 75	320
DS 602	600g	0.01g	ϕ 120	182 x 183 x 75	350
DS 1002	1000g	0.01g	ϕ 120	182 x 183 x 75	400
DS 1001	1000g	0.1g	160 x 160	182 x 183 x 75	220
DS 2002	2000g	0.01g	160 x 160	182 x 183 x 75	430
DS 3002	3000g	0.01g	160 x 160	182 x 183 x 75	450
DS 2001	2000g	0.1g	160 x 160	182 x 183 x 75	300
DS 3001	3000g	0.1g	160 x 160	182 x 183 x 75	320
DS 6001	6000g	0.1g	160 x 160	182 x 183 x 75	350
DS 7501	7500g	0.1g	160 x 160	182 x 183 x 75	385