



Bakery Dough Scale

R230

User's Manual

www.charder.com

Please read this manual carefully before operating your set and retain it for future reference.

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INTRODUCTION

This manual provides detailed instructions for the installation work, operation and maintenance instructions of the CHARDER R230 Scale, please read this manual completely before installing and operating scale.

Safety Precautions

Please follow these safety precautions:

- Verify AC Adapter input voltage matches the local AC power supply.
- Do not insert liquids or foreign object.
- Do not operate the scale in hostile environments.
- Do not drop loads or leave permanent load on the platform. This may damage the measuring system.
- Do not place the scale upside down on the pan.
- Do not open the scale. Never attempt to make repairs yourself because this could be dangerous. The warranty is void if this stipulation is ignored. The scale may only be opened by authorized personnel.
- Always disconnect the device from the power supply before installing, servicing, cleaning or performing maintenance.
- Check the power cable regularly for damage. If it is damaged, immediately disconnect the device from the power supply.

INSTALLATION

Package Contents

- R230 Scale
- AC Power Adaptor
- User's Manual



R230 Scale

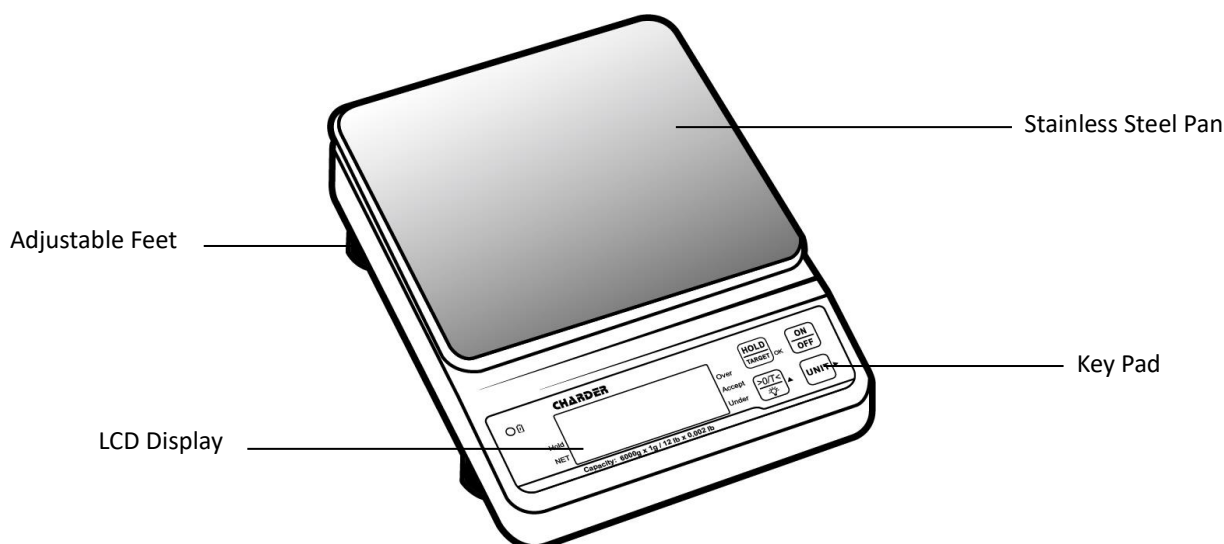


AC Power Adaptor



User's Manual

Parts Description

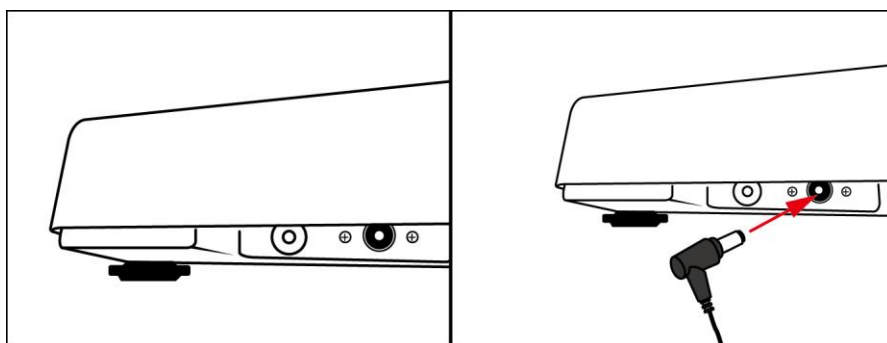


Selecting the Location

Select a firm, vibration-free and horizontal location for the scale. Avoid locations with direct sunlight, excessive air current, heat sources, or rapid temperature fluctuations.

Power

Connect the AC Adaptor to the AC mains supply. Connect the plug to the AC jack on the bottom of the scale as shown in the illustration below. The power outlet should be close to the scale and easily accessible.



Battery Power

Build-in Rechargeable-battery. Only Charger rechargeable battery pack can power and charge for R230 scale.

The scale will automatically switch to battery operation if there is a power failure or the power cord is removed to provide uninterrupted scale operation. The scale can be operated while batteries are recharging, and the battery is protected against overcharging. During charging, the battery Indicator displays the charge level, the batteries should be completely charged when the battery indicator turns solid green.

Note: When low battery **LoBAt** is displayed, the scale will shut off after 30 seconds.



CAUTION:

Risk of explosion can occur if replaced with the wrong type or connected improperly.

Do not use the battery for any purpose other than those described in this manual.

Do not disassemble, repair or otherwise manipulate the battery pack.

Obey the local laws and regulations on disposing the battery.

OPERATION

Keypad and Display Description



Status Indicators

ICON	Description
	Stability display
	Zero setting activated
	Negative sign
NET	Display net weight
Hold	Display hold function
	Condition of battery
	Power supply connected Steady green light represents the battery is fully charged.
g / lb / lb:oz / oz	Currently chosen weight unit

LED Indications

LED status	Description
Eternal on	Battery full charge 100%
Blinking	Battery is charging
Blink twice in 1 second	When connect power adaptor
Blink once and turn off for 1 second	No battery or battery defective
Blink twice and turn off for 1 second	Abnormality with the charging system
Blink 3 times and turn off for 1 second	Abnormal battery voltage
Blink 4 times and turn off for 1 second	Battery voltage in an overload condition

Keypad Description

KEY	DESCRIPTION	FUNCTION
	ON/OFF Switch	-Turn on and off display
	Unit Switch / ►	-Change the weighing units to alternate units of measurement
	Hold / Target / OK	-Call up hold function -Setting target weight in checkweighing mode
	>O/T< / Backlight / ▲	-Zero the scale ($\pm 2\%$ of full capacity) / Tarring -Display backlight

Turning Scale On/Off

To turn the scale on, press the **[ON/OFF]** button. Scale will display **88888** and then enters the active weighing mode.

To turn the scale off, press the **[ON/OFF]** button.

Zero Operation & Setting

When power on the scale and if the weight on the scale is within the initial zero tolerance, the scale will display zero automatically.

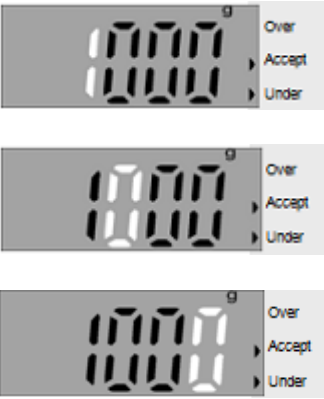
Although there is nothing on the pan and the display is not zero, press **[>O/T<]** button to set zero to the scale.

Changing Units of Measure

In weighing mode, use **[UNIT]** to display the next available measuring unit. Repeat process to scroll through all units.

Checkweighing Mode

This mode sets low and high weight limits for portion control processes.

Enter checkweighing mode Press and hold [HOLD/TARGET] button to enter checkweighing mode.		
Setting target weight values		
LOWER LIMIT SETTING	The first digit is displayed flashing. A triangle appears next to the Under . And the LCD turns no backlight. Repeatedly press [>O/T<▲] until the desired number appears. Press [UNIT▶] to accept and move to the next digit. Repeat until all the digits are correct. And press [HOLD/TARGET/OK] to confirm the setting of lower limit and then enter to high limit setting.	
HIGH LIMIT SETTING	The first digit is displayed flashing. A triangle indicator will appears next to the Over and the LCD light up in red. Repeatedly press [>O/T<▲] until the desired number appears. Press [UNIT▶] to accept and move to the next digit. Repeat until all the digits are correct. And press [HOLD/TARGET/OK] to confirm setting.	
Ready for Checkweighing If required, place an empty container on the pan and press [>O/T<] .		
Return to Weighing mode Press and hold [HOLD/TARGET] button to return weighing mode.		

Checkweighing Annunciators

The OVER, ACCEPT, and UNDER annunciators are to the right of the display and the features as below.

WITHIN TARGET RANGE	The LCD light up in green and a triangle appears next to “Accept” , and you will hear 2 short beeps.	
UNDER TARGET RANGE	The LCD light off and a triangle appears next to “Under” and no beep sound effect.	
OVER TARGET RANGE	The LCD light up in red and a triangle appears next to “Over” , and you will hear continuous short beeps. If the display shows Err , this means weight exceeds overload limit.	 

SETTINGS

Backlight Setting

Press [**>O/T<**] and hold for 2 seconds to turn ON the backlight manually.

Press [**>O/T<**] and hold for 2 seconds to turn OFF the backlight manually.

Zero Setting

After power the scale on, press zero keypad to reset the display to 0.0 kg before using the scale

Tare Setting

Place an empty container on the scale and press [**>O/T<**]. The display will show a net value of “0”.

To clear the Tare value, press [**>O/T<**] with the pan empty.

Auto off Setting

Press and hold [**ON/OFF**] first and press [**>O/T<**] button, then release both key until the display show 

Press [**UNIT**], the display will show *A_OFF*, press [**>O/T<**] to enter auto off setting and press [**UNIT**] to select auto turn off time or off this function. And press [**>O/T<**] and press [**UNIT**] to see *End* to confirm setting.

MAINTENANCE

Cleaning

Before cleaning, disconnect the power plug from power outlet and remove batteries from the appliance to power off the unit.

- Clean with a damp cloth and a mild soap or similar agents if necessary, and buffed dry with.
- Do not use any acids, alkalis or strong active solvents to clean the housing or control panels.

Troubleshooting

SYMPTOM	POSSIBLE CAUSE	REMEDY
Scale will not turn on	Battery discharged	Check the batteries or adapter and recharge the battery.
	Power cord not plugged in properly	Check power cord connection and plugged in properly into the power outlet.
	Other failure	Have the scale serviced by Charder authorized service center.
Battery fails to charge fully	Battery is defective	Have battery replaced by Charder authorized service center.
Scale flashes Battery	Battery discharged	Connect the power and recharge the battery.

Service Information

If the troubleshooting section above does not resolve or describe your issue, contact your authorized Charder service agent for further assistance or Charder Customer Support at +886-4-2406-3766 or email to info_cec@chrder.com.tw

TECHNICAL DATASpecifications

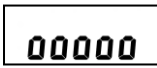
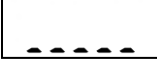
MODEL	R230		
Capacity	1.5 kg / 3 lb	3 kg / 6 lb	6 kg / 12 lb
Graduation	0.2 g / 0.0005 lb	0.5 g / 0.001 lb	1 g / 0.002 lb
Power Requirements	100 V - 240 V DC 15V / 0.3A AC adapter Built-in rechargeable battery		
Weighing Units	lb:oz, oz, g, lb		
Display	0.8 in LCD with Red and Green backlight 5-digit 6-Segment, Character height 21 mm/0.83 in		
Key Function	4 Keys On / Off, Unit, Target / Hold, Zero / Tare / Backlight		
Operating Temperature and Humidity	5°C to 35° C / 41°F to 95°F 15% - 85% RH		
Application Mode	Weighing, Checkweighing		
Construction	304 Stainless Steel housing and platform ABS bottom		
Platform Size	175 x 165 mm / 7" x 6 1/2"		
Assembled Dimensions	235 x 175 x 62 mm / 9 1/4" x 7" x 2 7/16"		
Weight	1.82 kg / 4 lb		

Disposal

In conformance with the European Directive 2002/96 EC on Waste Electrical and Electronic Equipment (WEEE), this device may not be disposed of with domestic waste. This also applies to countries outside the EU, according to their specific requirements.

 Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment. For more detailed information about recycling this product, please contact the local distributor from which you purchased this device.

ERROR AND STATUS MESSAGEError Message

ERROR MESSAGE	DESCRIPTION	REMEDY
	Low battery indication	Connect the power and recharge the battery.
	Counting value is higher than the high limit value	The scale has detected a failure with load cell or wiring. Have the scale serviced by Charder authorized service center.
	Counting value is lower higher than the low limit value	The scale has detected a problem with load cell or wiring. Have the scale serviced by Charder authorized service center.
	Zero value is too high when power on	Empty load plate before power up. Recalibrate the scale.
	Zero value is too low when power on	Check if scale is placed correctly. Recalibrate the scale.
	Overload	Remove excess weight and use scale within its limits.
	Zero value is too low	Increase the load. If this problem remains unresolved, contact Charder authorized service center.

WARRANTY

Charder scales are warranted against defects in material and workmanship for a period of 1(one) year from the date of purchase. Please retain your receipt as proof of purchase. Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code or the date of shipment to the authorized dealer. Coverage may be invalidated as this date is previous to purchase date. No other express or implied warranty is given by Charder.

Freight damage on returns is not covered under warranty.

This warranty does not apply for following reasons, the product has been damaged by accident or misuse, parts and products of a consumable nature, exposed to radioactive or corrosive materials, has foreign material penetrating to the inside of the product, or as a result of service or modification by other than Charder.



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