



Tower Bench Scale

Z420

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 Z420 Scale, please read this manual completely before installing and operating scale.

Safety Precautions

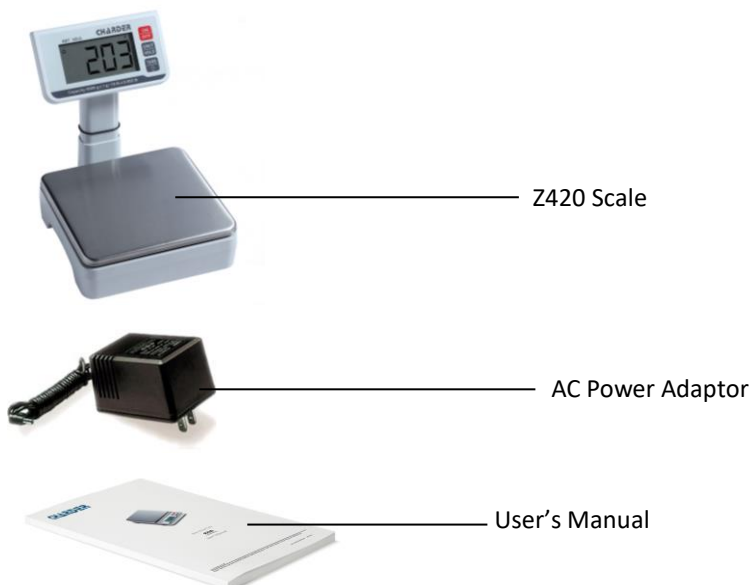
Please follow these safety precautions:

- 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.

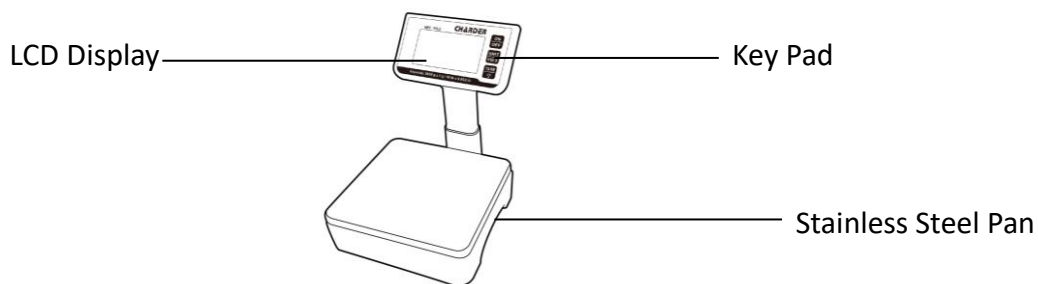
INSTALLATION

Package Contents

- Z420 Scale
- AC Power Adaptor
- User's Manual



Parts Description

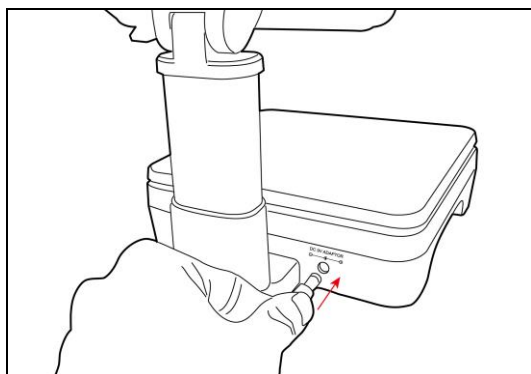


Selecting the Location

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.

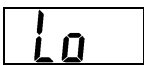
Power

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

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.

Note: When low battery  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
	Negative sign
NET	Display net weight
HOLD	Display hold function
g / lb	Currently chosen weight unit

Keypad Description

KEY	DESCRIPTION	FUNCTION
	ON/OFF Switch	-Turn on and off display
	UNIT /HOLD	-Change the weighing units to alternate units of measurement -Call up hold function
	TARE / Backlight	-Tarring -Display backlight

Turning Scale On/Off

To turn the scale on, press the **[ON/OFF]** button. Scale will display **8888** 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 **[TARE]** 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.

SETTINGS

Backlight Setting

Press **[TARE]** and hold for 5 seconds to turn ON the backlight manually.

Press **[TARE]** and hold for 5 seconds to turn OFF the backlight manually.

Tare Setting

Place an empty container on the scale and press **[TARE]**. The display will show a net value of "0".

To clear the Tare value, press **[TARE]** with the pan empty.

Auto off Setting

Press and hold **[UNIT/HOLD]** and **[TARE/Backlight]** button, then release both key until the display

show 5Et

And the display will show **A_OFF**, press **[TARE/Backlight]** to enter Auto off setting and press **[UNIT/HOLD]** to select auto turn off time or off this function. And press **[TARE/Backlight]** return to **A_OFF** and press **[UNIT/HOLD]** twice until display **End**.

Press **[TARE/Backlight]** to confirm setting.

Buzzer Setting

Press and hold **[UNIT/HOLD]** and **[TARE/Backlight]** button, then release both key until the display

show 5Et.

Press **[UNIT/HOLD]** to change the setting to burr, press **[TARE/Backlight]** to enter Buzzer setting and press **[UNIT/HOLD]** to select **ON** or **OFF** this function. And press **[TARE/Backlight]** and press **[UNIT/HOLD]** to once until **End**.

Press **[TARE/Backlight]** 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

PROBLEM	POSSIBLE CAUSE	REMEDY
Scale will not turn on	Battery discharged	Check the battery or adapter
	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.
Poor accuracy	Unstable environment	Move the scale to suitable location, refer to the manual <i>Selecting the Location</i> .
	Improper calibration	Perform calibration.

Service Information

If the troubleshooting section above does not resolve or describe your issue, contact your authorized Charder service agent for further assistance or email to info_cec@chrder.com.tw

TECHNICAL DATA

Specifications

MODEL	Z420		
Capacity	500g / 1 lb	2500g / 5 lb	5000g / 10 lb
Graduation	0.1 g / 0.0002 lb	0.5 g / 0.001 lb	1 g / 0.002 lb
Power Requirements	100 V - 240 V DC 9V / 0.3A AC adapter 6-AAA batteries		
Weighing Units	g , lb		
Display	1.5 in LCD with Red and Green backlight 5-digit 7-Segment, Character height 21 mm/0.83 in		
Key Function	3 Keys On / Off, Unit / Hold, Tare / Backlight		
Operating Temperature and Humidity	5°C to 35° C / 41°F to 95°F 15% - 85% RH		
Application Mode	Weighing		
Construction	304 Stainless Steel platform and ABS plastic bottom		
Platform Size	175 x 165 mm / 7" x 6 1/2"		
Assembled Dimensions	175 x 220 x 205 mm / 7" x 8 2/3" x 8"		
Weight	1.22 kg / 2.69 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 MESSAGE

Error Message

ERROR MESSAGE	DESCRIPTION	REMEDY
	Low battery indication	Connect the power and recharge the battery.
	Zero value is too high or too low when power on	Empty load plate before power up and check if scale is placed correctly. Recalibrate the scale.
	Overload	Remove excess weight and use scale within its limits.

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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