



Bench Scale with Remote Display

W310

User's Manual

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INTRODUCTION

This manual provides detailed instructions for the installation work, operation and maintenance instructions of the CHARDER W310 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

- W310 Remote Display
- W310 Scale Base
- 2 x AC Power Adaptor
- User's Manual



W310 Scale and Remote display

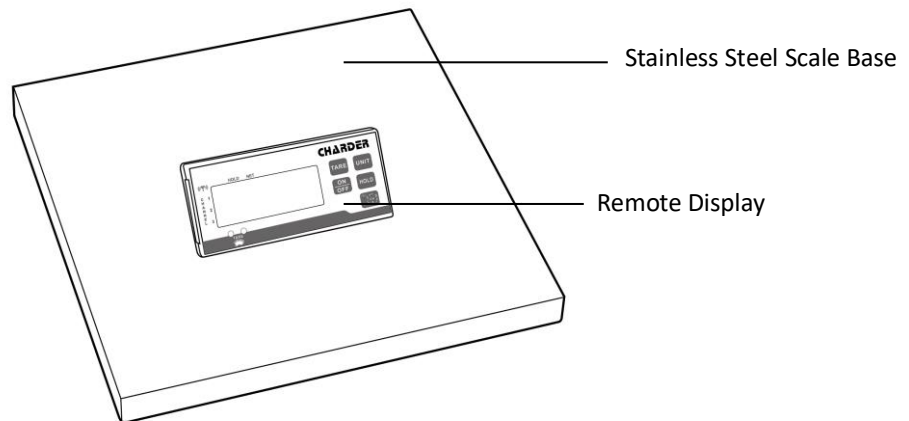


AC Power Adaptor



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.

Make sure that your remote display and scale base are on and within range within 10 meters (30 feet).

Power

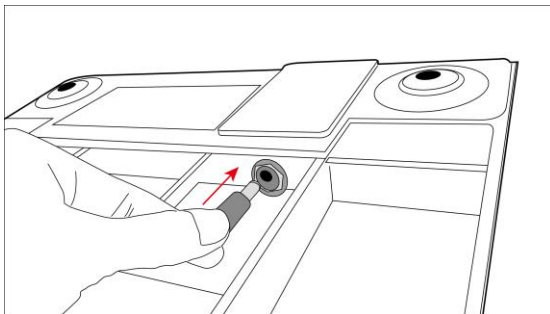
W310 support wireless and wired connection.

Wireless connection

Require 10-AA batteries, 4 for remote display, 6 for scale base.

Wired connection

Connect the AC Adaptor for scale base and remote display 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 remote display uses 4-AA batteries and the scale base uses 6-AA batteries, both units will automatically switch to battery operation if using wireless connection there is a power failure or the power cord is removed to provide uninterrupted scale operation.

Note: When low battery Lo, Lo d is displayed, the scale will shut off after 120 seconds.

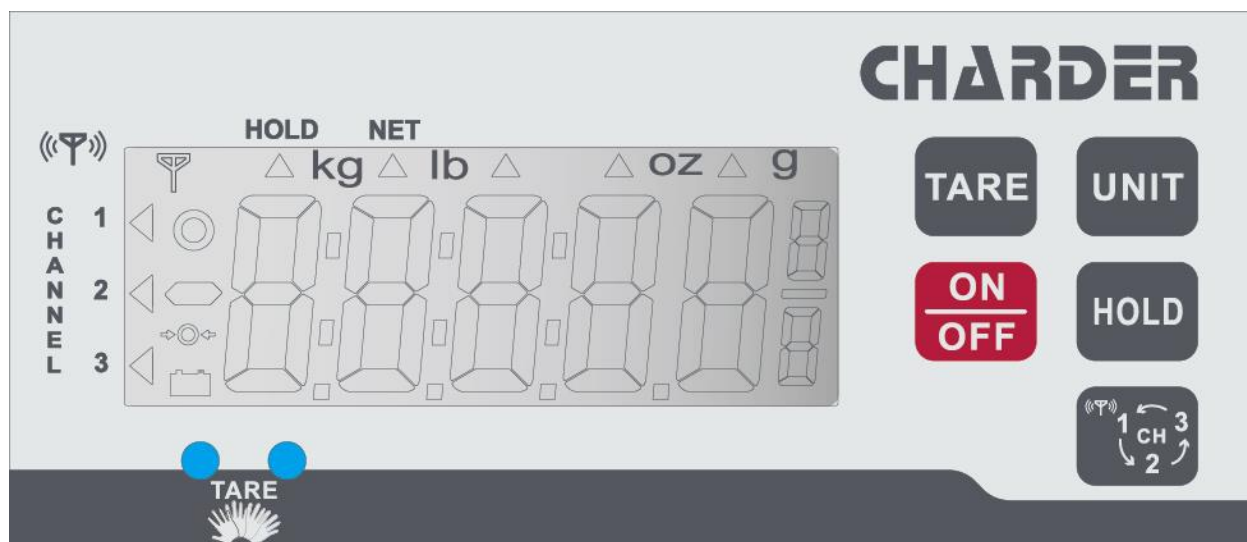


CAUTION:

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

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

Obey the local laws and regulations on disposing the battery.

OPERATIONKeypad and Display DescriptionStatus Indicators

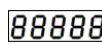

ICON	Description
	Stability display
>0<	Zero setting activated
NET	Display net weight
Hold	Display hold function
	Ready to weighing
	Tare sensor field
g / lb / lb:oz / oz	Currently chosen weight unit

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	-Call up hold function
	Tare	-Tarring
	Channel Switch	-Channel switch for scale base
	ON/OFF Switch at the bottom of scale base	-Turn on and off scale base

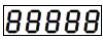

Turning Scale On/Off

To turn the remote display on and off, press the **[ON/OFF]** button. When turn on the remote display will display

 and  start flashing, then the display shows “0” and enters the active weighing mode.

To turn the scale base on and off, push the **[ON/OFF]** switch button that under the bottom of the scale base.

Notes:

If display appear  with  flash, and “0” does not show, press **[Channel Switch]** button to match up with the scale’s channel. If display channel is setup on Channel-1, please select Channel-1 for scale base as well.

Channel setting instructions please see SETTINGS for instructions.

Tare 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 or hand over the **Tare sensor** 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.


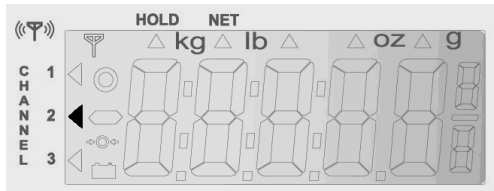
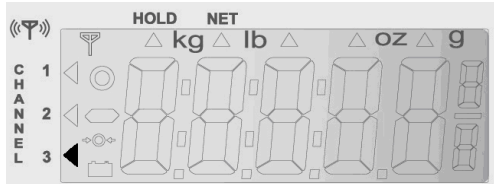
SETTINGS

Channel Setting

Before match up Channel of remote display and scale base, make sure they are turn off and signal range within 10 meters (30 feet).

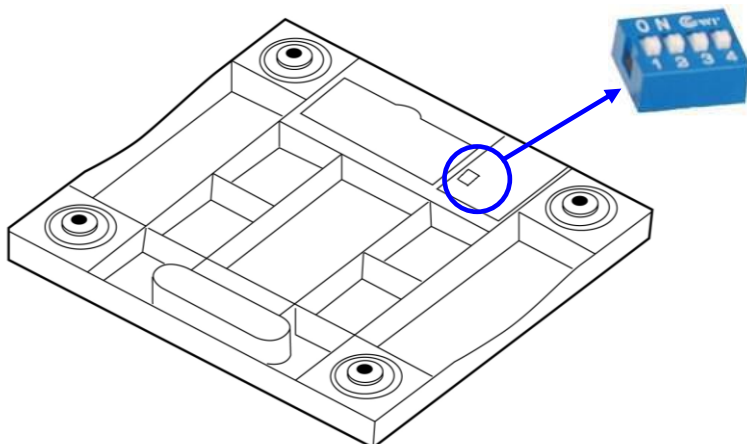
Remote Display channel setting

Press **[Channel Switch]** button to select the display channel, see illustration below

	Remote Display Channel setting
Channel-1	<p>A triangle appears next to the Channel-1</p> 
Channel-2	<p>A triangle appears next to the Channel-2</p> 
Channel-3	<p>A triangle appears next to the Channel-3</p> 

Scale base channel setting

Flip back the scale base and the dip switch is under the rubber stopper, the dip switch has four switches, only Switch 1, 2 and 3 are active for use, Switch-4 is not available. Setting. A switch that is up is on, a switch that is down is off, by default, all switches are down(off), see illustration below



	Scale Base Dip-switch setting
Channel-1	
Channel-2	
Channel-3	

Tare Setting

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

To clear the Tare value, press **[TARE]** or pass your hand over the **Tare sensor** with the pan empty.

Auto Off Time Setting

Press and hold **[ON/OFF]** first and press **[TARE]** button, then release both key until the display show **SEtUP**

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

Tare Sensor Off Setting

Press and hold **[ON/OFF]** first and press **[TARE]** button, then release both key until the display show **SEtUP**

Press **[UNIT]**, the display will show **t_s Ir**, press **[TARE]** to enter tare sensor setting and press **[TARE]** to select on or off this function. And press **[TARE]** and press **[HOLD]** 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 both units.

- 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 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 Charder Customer Support at +886-4-2406-3766 or email to info_cec@chrder.com.tw

TECHNICAL DATASpecifications




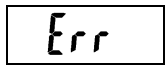


MODEL	W310		
Capacity	6 kg / 12 lb	12 kg / 25 lb	30 kg / 60 lb
Graduation	1 g / 0.002 lb	2 g / 0.005 lb	5 g / 0.01 lb
Power Requirements	Remote display: 4 x 1.5V AA-battery and 9V AC adapter Scale base: 6 x 1.5V AA-battery and 9V AC adapter		
Weighing Units	lb:oz, oz, g, lb		
Display	1 in LCD 5-digit 6-Segment, Character height 25 mm/0.85 in		
Key Function	5 Keys Unit, Hold, Channel, Tare, On / Off		
Operating Temperature and Humidity	5°C to 35° C / 41°F to 95°F 15% - 85% RH		
Application Mode	Weighing		
Construction	Scale base : 304 Stainless Steel housing and platform with ABS plastic bottom Remote display: ABS Plastic		
Platform Size	356 x 356 mm / 14 x 14 in		
Assembled Dimensions	356 x 356 x 41 mm / 14 x 14 x 1.6 in		
Weight	3.2 kg / 7 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 for remote display	Replace the battery or connect the power for remote display.
	Low battery indication for scale base	Replace the battery or connect the power for scale base.
	Zero value is lower higher than the low limit value	Check if scale is placed correctly. Recalibrate the scale. If this problem remains unresolved, contact Charder authorized service center.
	Overload	Remove excess weight and use scale within its limits.
	Fail to write EEPROM for remote display	Have the scale serviced by Charder authorized service center.
	Fail to write EEPROM for scale base	Have the scale serviced by 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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