



Solar Hanging Scale

H110

User Manual

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I. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the H110 Solar Hanging Scale. Please read this manual in its entirety before installing and operating the device.

Safety Precautions

- Do not allow liquids or foreign devices to enter device.
- Hang device from a support strong enough to support device plus weight of measured item.
- Do not drop loads or leave permanent load on the platform. This may damage the measuring system.

II. INSTALLATION

Package Contents

- H110 Solar Hanging Scale
- User Manual
- Hanging Assembly



————— H110 Solar Hanging Scale



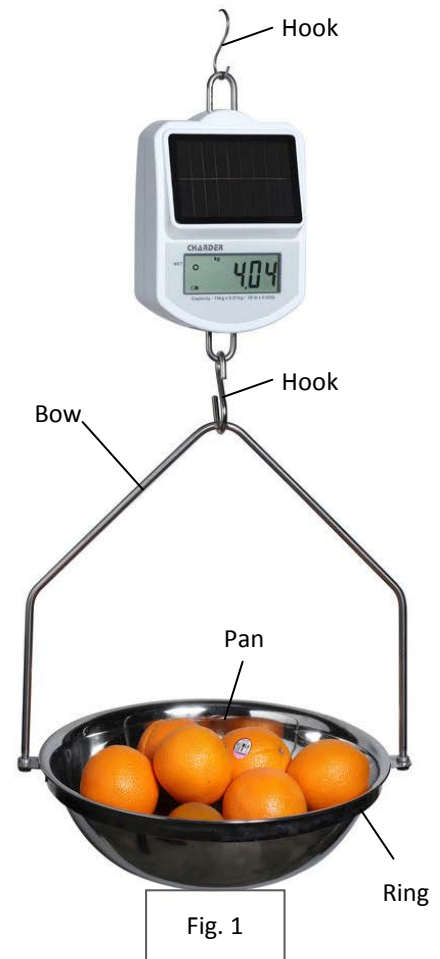
————— User Manual

Selecting the Location

Ensure that light available is adequate to power the device (400 lux minimum required). Low lighting will cause the device to display "Lo".

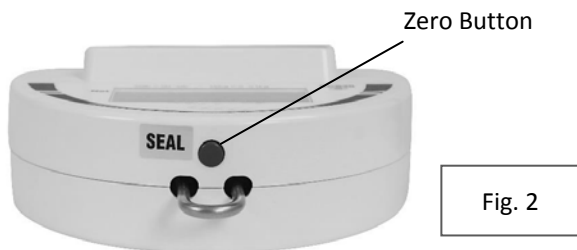
Attaching measurement pan

1. Install hook on top loop of device.
2. Hang device from support strong enough to support **combined** weight of device plus weight of item to be weighed.
3. Assemble hanging assembly as illustrated before hooking onto device.

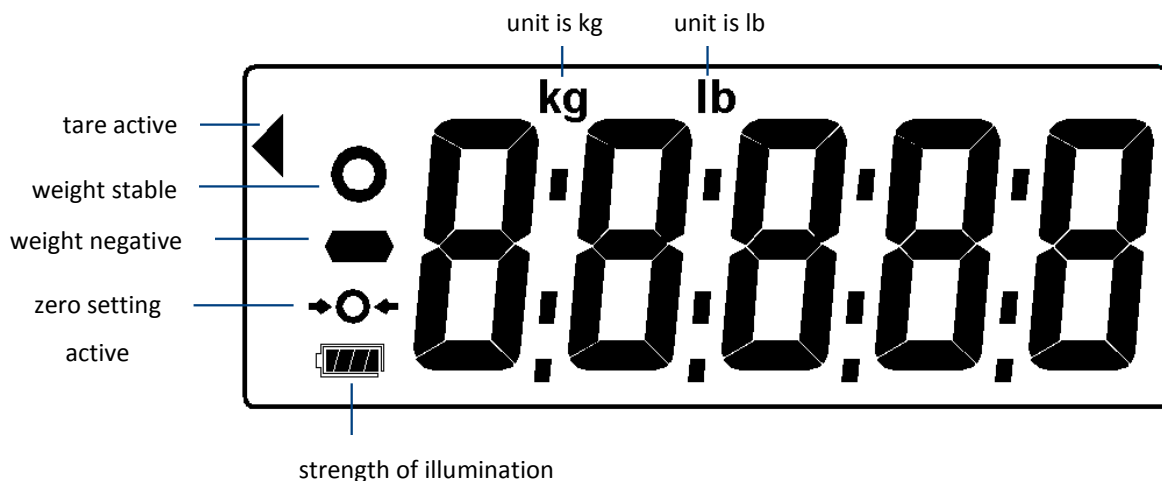


Operation

1. Press Zero Button (see Fig. 2) to zero scale "display 0.00".
 2. To switch between units (lb, kg), press and hold Zero Button for approximately 5 seconds
 3. Place item to be weighed in pan. Display will show weight of item.
- Note: do not "shock load" the scale by dropping heavy loads in the pan
4. Remove item and press Zero Button if needed before weighing next item.



Display Description



III. MAINTENANCE

Cleaning

- Clean with a damp, soft cloth and mild detergent.
- Do not use any acids, alkalis, or strong active solvents for cleaning.
- Do not spray water directly on the device.

IV. CALIBRATION

NOTE: Calibration must be performed with sufficient lighting, using hanging assembly and pan

1. Remove calibration seal to expose test pins. See Fig. 2 for seal location.
2. Referring to Fig. 3, short Test Pins 3 and 4 to enter calibration mode.
3. Press **Zero Button** to set calibration ZERO.
4. Place test weight in pan and wait for device weight to stabilize.
5. Press **Zero Button** to set calibration SPAN.
6. "CAL" will be displayed for approximately 3-5 seconds as device calibrates.
7. After calibration is complete, device will automatically return to normal mode and display calibration test weight.

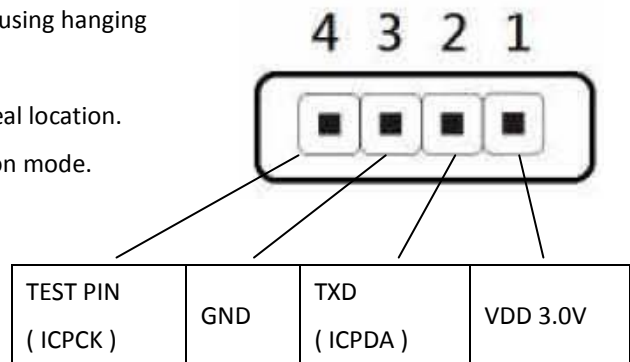


Fig. 3

V. ERROR AND STATUS MESSAGES

ERROR MESSAGE	DESCRIPTION	REMEDY
	Available light below 400 lux	Relocate device to location with sufficient lighting
	Available light between 400-500 lux	If device is functioning properly, no action needed. Otherwise, relocate device to location with sufficient lighting
	Program error	Contact distributor for service
	Zero value is too high when power on	Empty measurement pan and recalibrate device.
	Zero value is too low when power on	Check if device is placed correctly. Recalibrate device.
	Overload	Remove excess weight, and use device within capacity limits.
	Zero value is too low	Increase the load. If this problem remains unresolved, contact distributor for service

VI. WARRANTY


- If Charder is responsible for a fault or defect present upon receipt of the unit, Charder shall either repair the fault, or supply a replacement unit. Should the repairs or replacement delivery fail, statutory provisions shall be valid. The period of warranty shall be two years, beginning on the date of purchase. Please retain your receipt as proof of purchase.
- No responsibility shall be accepted for damage caused through any of the following reasons: unsuitable or improper storage or use, incorrect installation or commissioning by the owner or third parties, natural wear and tear, changes or modifications, incorrect or negligent handling, chemical, electrochemical, or electrical interference, unless damage is attributable to negligence on the part of Charder.
- This device does not contain any user-maintained parts. All maintenance, technical inspections, and repairs should be conducted by an authorized Charder service partner, using original Charder accessories and spare parts. Charder is not liable for any damages arising from improper maintenance or usage. Dismantlement of the device will void the warranty.

VII. SPECIFICATIONS

MODEL	R230		
Capacity	6 kg / 12 lb	15 kg / 30 lb	30 kg / 60 lb
Graduation	5 g / 0.01 lb	10 g / 0.02 lb	20 g / 0.05 lb
Power Requirements	Built-in solar cell		
Weighing Units	Kg / lb		
Display	1-inch high LCD		
Key Function	1 Key Unit, Zero/Tare		
Operating Temperature and Humidity	0°C to 40° C / 32°F to 104°F 15% - 85% RH		
Device Dimensions	270 x 155 x 97 mm / 10 5/8" x 6 1/8" x 3 3/4"		
Platform Dimensions	Diameter: 348 mm / 13.7" Depth: 112 mm / 4.4"		
Device Weight	About 0.95 kg		
Accessories	Stainless steel hooks and weighing pan		

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.

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