



PJX Series Balances

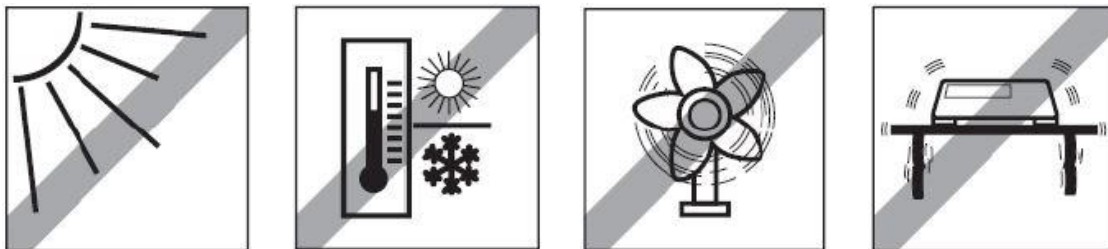
Quick Start Guide



1. INSTALLATION

1.1 Select the Location

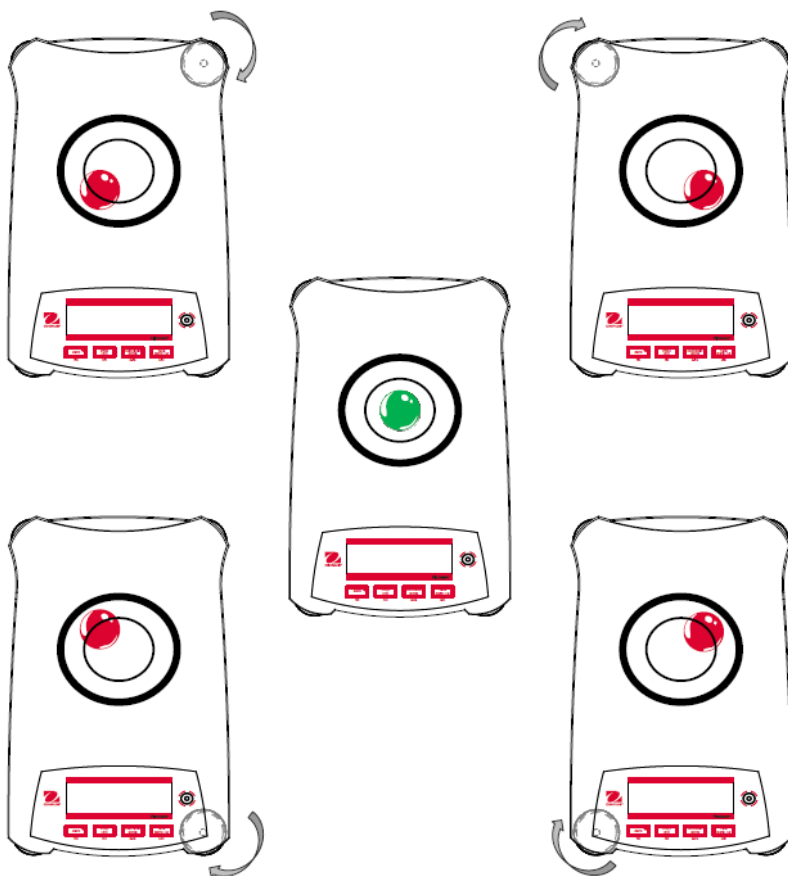
Avoid heat sources, rapid temperature changes, air current or excessive vibrations. Allow sufficient space.



1.2 Leveling

Be sure the balance is level before it is used or after its location is changed. The PJX balance has a level bubble in a small round window beside the display. To level the balance, adjust the 4 leveling feet until the bubble is centered in the circle.

Please refer to the below figure for leveling.



1.3 Connecting Power and Acclimating the Balance

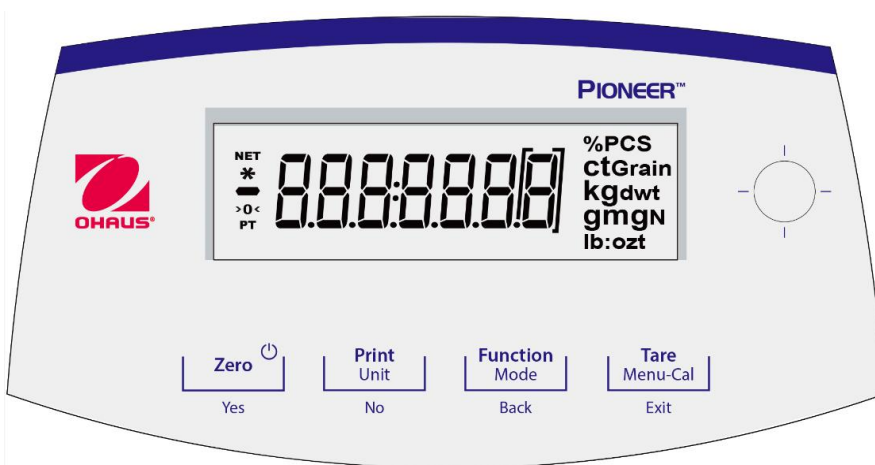
Connect the DC output connector to the power receptacle on the rear of the balance. Then connect the AC adapter plug to a suitable electrical outlet.


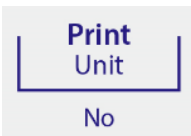





Acclimating

It is suggested that the balance should not be used until it has been acclimated to the environment for a certain period of time. In the case of a balance with the precision above 0.1 mg, the pre-acclimation time should be 1.5 hours; in the case of a balance with the precision of 1 mg, the acclimation time should be more than 0.5 hours.

2 OPERATION

2.1 Overview of Controls and Display

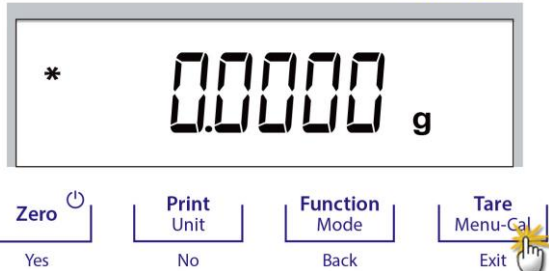


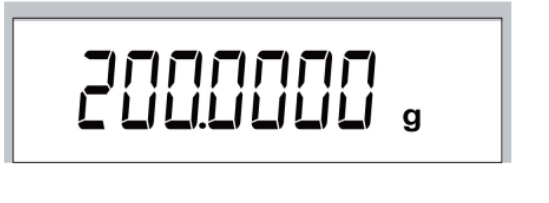




Button	 Yes	 No	 Back	 Exit
Primary Function (Short Press) 	On / Zero <ul style="list-style-type: none"> If the balance is Off, turns on the balance. If balance is On, sets zero. 	Print <ul style="list-style-type: none"> Sends the current displayed value to the serial interface. 	Function <ul style="list-style-type: none"> Operation is dependent on the application mode. 	Tare <ul style="list-style-type: none"> Performs tare operation.
Secondary Function (Long Press) 	Off <ul style="list-style-type: none"> Zeroing current value. 	Unit <ul style="list-style-type: none"> Changes weighing units. 	Mode <ul style="list-style-type: none"> Changes application mode. 	Menu-Cal <ul style="list-style-type: none"> Enters the main menu. Calibration is the first sub-menu. Views the preset Tare value.
Menu Function (Short Press) 	Yes <ul style="list-style-type: none"> Accepts the current (blinking) setting on the display. 	No <ul style="list-style-type: none"> Rejects the current (blinking) setting on the display. Increments a value being entered. 	Back <ul style="list-style-type: none"> Reverts back to previous menu item. Decrements a value being entered. 	Exit <ul style="list-style-type: none"> Immediately exits the sub-menu. Aborts a calibration in progress.

2.2 Initial Calibration

For best results, the instrument's calibration should be checked prior to first use. If adjustment is needed, refer to the Calibration section of the instruction manual.

Steps for calibration

<p>1. Press and hold the Tare / Menu-Cal button, and the Calibration Menu will display.</p>	 <p>The display shows "0.0000 g" with an asterisk on the left. Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit). The "Tare Menu-Cal" button is highlighted with a yellow star and a hand cursor.</p>
<p>2. Press Yes to enter the Calibration Menu.</p>	 <p>The display shows "CAL". Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit). The "Zero" button is highlighted with a hand cursor.</p>
<p>3. To change the calibration mode, press No until SPAN (span calibration) is displayed.</p>	 <p>The display shows "SPAN". Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit). The "Print Unit" button is highlighted with a hand cursor.</p>
<p>4. The Calibration mass value will be shown in the screen. After the display shows 200.0000 g, place weight(s) of 200 g on the pan for calibration. To change to the calibration point of half full capacity (e.g. 100 g), press the Function / Mode button. After the screen shows "Place weights" and "100.0000 g", place weight(s) of 100 g on the pan for calibration.</p>	 <p>The display shows "200.0000 g". Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit).</p>
<p>5. Once the span calibration is completed successfully, CALdone will display. Press any button to return to the previous screen.</p>	 <p>The display shows "CALdone". Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit).</p>
<p>6. Remove the weight(s), and the reading will be set to zero.</p>	 <p>The display shows "0.0000 g" with an asterisk on the left. Below the display are four buttons: "Zero" (Yes), "Print Unit" (No), "Function Mode" (Back), and "Tare Menu-Cal" (Exit).</p>

3. CONNECTING THE INTERFACE

The PJX balance has two connectivities, RS232 port and Mini DIN. Use the RS-232 port to connect either to a computer or a printer with a standard (straight-through) serial cable.

Mini DIN is used to connect with another accessory, as an alternative option for RS232.

Interface connections on the rear of the balance



RS232: Used to connect to PC or Printer

4. MAINTENANCE

4.1 Cleaning

Please disconnect the balance from the power supply before cleaning. Make sure that no liquid enters the interior of the balance.

Clean the balance at regular intervals. Housing surfaces may be cleaned with a lint-free cloth slightly dampened with water or a mild cleaning agent. Glass surfaces may be cleaned with a commercial glass cleaner.

Attention: Do not use solvents, harsh chemicals, ammonia or abrasive cleaning agents.

4.2 Troubleshooting

Symptom / Display	Possible Cause
<i>Err B.1</i>	Weight reading exceeds Power On Zero limit.
<i>Err B.2</i>	Weight reading below Power On Zero limit.
<i>Err B.3</i>	Weight reading exceeds overload limit.
<i>Err B.4</i>	Weight reading below underload limit.
<i>REF Err</i>	Reference Weight too small. The weight on the pan is too small to define a valid reference weight. Add additional samples.
<i>Low.rEF</i>	A warning that the reference weight is below the recommended value for accurate parts counting. Add additional samples if possible otherwise counting continues with diminished accuracy.
<i>-----</i>	Busy (tare, zero, and printing).
<i>--NO--</i>	Function not executed.
<i>Error</i>	Timeout
<i>Idnr.Err</i>	IDNR Error

5. USER MANUAL

Please read instruction manual before you use the balance, you can find it at OHAUS website, www.ohaus.com .



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