Scan QR Code with your WebCam for downloading the user instruction manual.

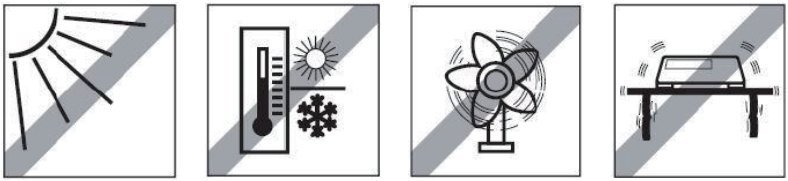
PX Series Balances
Quick Start Guide

Please download the user manual from www.ohaus.com.

1. INSTALLATION

1.1 Select the Location

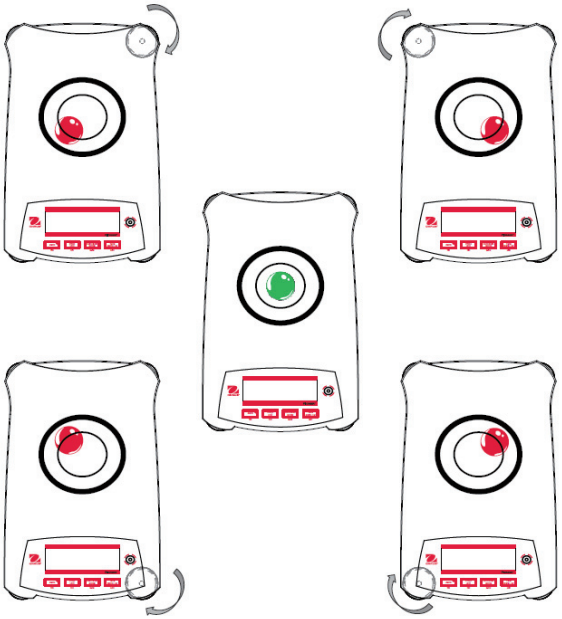
Avoid heat sources, rapid temperature changes, air current or excessive vibrations. Allow sufficient space.



1.2 Leveling

Be sure the balance is level before it is used or after its location is changed. The PX 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 a precision of 0.1 mg or greater, the acclimation time should be 1.5 hours; in the case of a balance with a precision of 0.01 mg or greater, the acclimation time should be more than 4 hours.

1.4 Definition of Signal Warnings and Symbols

Safety notes are marked with signal words and warning symbols. These show safety issues and warnings. Ignoring the safety notes may lead to personal injury, damage to the instrument, malfunctions and false results.

WARNING	For a hazardous situation with medium risk, possibly resulting in injuries or death if not avoided.
CAUTION	For a hazardous situation with low risk, resulting in damage to the device or the property or in loss of data, or injuries if not avoided.
Attention	For important information about the product
Note	For useful information about the product

Warning Symbols

General Hazard

Electrical Shock Hazard

Alternating Current

Direct Current

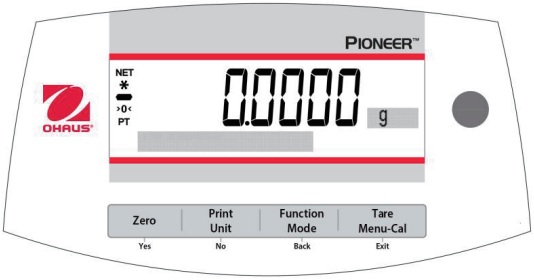
1.5 Safety Precautions

CAUTION: Read all safety warnings before installing, making connections, or servicing this equipment. Failure to comply with these warnings could result in personal injury and/or property damage. Retain all instructions for future reference.

- Verify that the AC adapter's input voltage range and plug type are compatible with the local AC main power supply.
- Make sure that the power cord does not pose a potential obstacle or tripping hazard.
- Do not position the balance such that it is difficult to reach the power connection.
- The balance is for indoor use only. Do not operate the equipment in hazardous or unstable environments.
- Operate the equipment only under ambient conditions specified in these instructions.
- Do not drop loads on the pan.
- Use the balance only in dry locations.
- Disconnect the equipment from the power supply when cleaning.
- Use only approved accessories and peripherals.
- Service should only be performed by authorized personnel.

2 OPERATION

2.1 Overview of Controls and Display



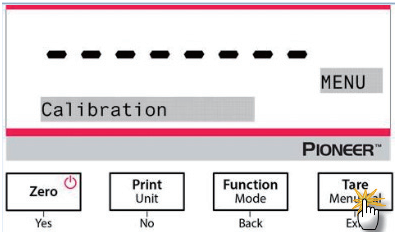
Button	Zero Yes	Print Unit No	Function Mode Back	Tare Menu-Cal Exit
Primary Function (Short Press)	**On / Zero** • If the balance is Off, turns on the balance. • If the balance is On, sets zero.	**Print** • Sends the current displayed value to the serial interface.	**Function** • Operation is dependent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

2.2 Initial Calibration

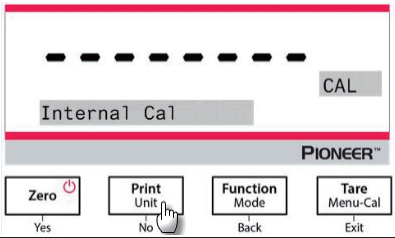
For best results, the instrument's calibration should be checked prior to first use. If adjustment is needed, refer to the Calibration section of the instruction manual.

Steps for calibration

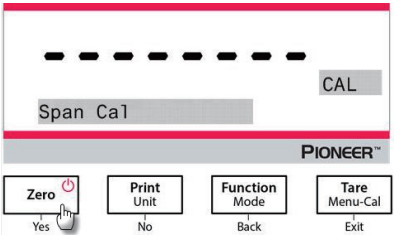
1. Press and hold the **Tare / Menu-Cal** button, and the Calibration Menu will display.



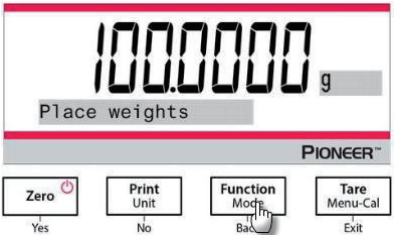
2. Press **Yes** to enter the Calibration Menu. To change the calibration mode, press **No** until Span Cal (span calibration) is displayed.



3. Press **Yes** to begin the span calibration.



4. The calibration masses value will be shown in the screen. After the display shows "Place weights" and "100.000 g", place weight(s) of 100 g on the pan for calibration.
5. To change to the calibration point of half full capacity (e.g. 50 g), press the **Function / Mode** button. After the screen shows "Place weights" and "50.000 g", place weight(s) of 50 g on the pan for calibration.



3. CONNECTING THE INTERFACE

The PX balance has two data interfaces, RS232 and USB.
Use the RS-232 port to connect either to a computer or a printer with a standard (straight-through) serial cable.
Use the USB port to connect to a computer with a USB 2.0 Type A to Type B cable.

Interface connections on the rear of the balance

USB RS232

USB: Used to connect to PC only
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	Remedy
Balance will not turn on	No power to the balance	Verify connection and voltage
Poor accuracy	Improper calibration Unstable environment	Perform calibration Move balance to suitable location
Cannot calibrate	Calibration Menu locked Approved Mode set to on Unstable environment Incorrect calibration masses	Turn Calibration menu lock off Turn Approved Mode off Move balance to suitable location Use correct calibration masses
Cannot change menu settings	Sub-menu locked Approved Mode set to on	Unlock sub-menu Turn Approved Mode off
Low Reference weight	Reference weight too small The weight on the pan is too small to define a valid reference weight.	Increase sample size
Invalid Piece Weight	Average piece weight is too small	Increase average piece weight
Operation Timeout	Weight reading is not stable	Move balance to suitable location
------	Busy (tare, zero, printing, waiting for a stable weight)	Wait until completion

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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