Valor™ 2000W Series
Instruction Manual

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1. INTRODUCTION

This manual contains installation, operation and maintenance instructions for the Valor™ 2000W Series. Please read the manual completely before using the scale.

1.1 Safety Precautions

Please follow these safety precautions:

- Verify that the AC Adapter input voltage matches the local AC power supply.
- Do not drop loads on the platform.
- Do not place the scale upside down on the platform.
- Disconnect the scale from power supply when cleaning.
- Operate the scale only under ambient conditions specified in these instructions.
- Service should be performed only by authorized personnel.
- Only use weights within the scale's capacity as specified in these instructions.
- Do not operate the scale in hostile environments.
- Do not carry the scale by the pan or sub-platform. Use the handholds on the side of the scale housing.

2. INSTALLATION

2.1 Package Contents

- Scale
- Stainless Steel Pan
- Power Adapter & Plug
- Instruction Manual
- Warranty Card

2.2 Installing Components

Place the stainless steel pan onto the weighing platform before turning the scale on.

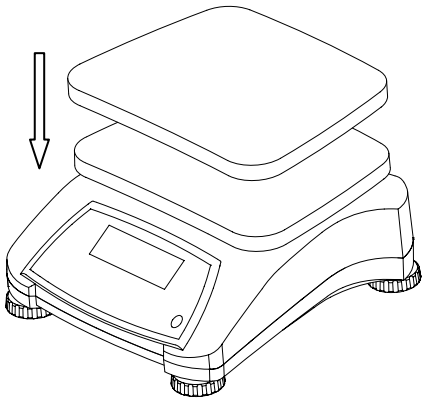

Figure 2-1. Install the stainless steel pan onto the weighing platform

2.3 Selecting the Location

Use the scale on a clean, firm and flat surface. Avoid locations with excessive air current, vibrations, heat sources, or rapid temperature changes.

2.4 Leveling the Equipment

Adjust the leveling feet so the bubble is centered in the circle. Be sure the equipment is level each time its location is changed.

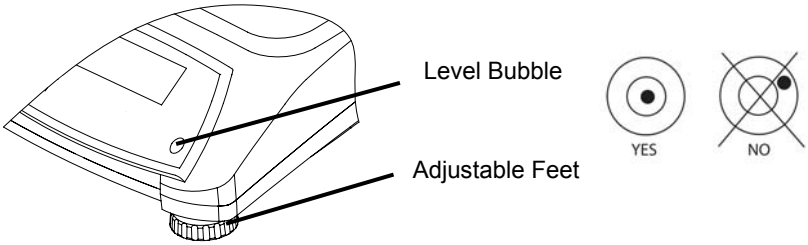

Figure 2-2. Level Indicator

2.5 Power

The AC Adapter is used to power the scale when battery power is not needed. First connect the AC Adapter plug to the scale input jack located at the bottom of the scale according to the description below.

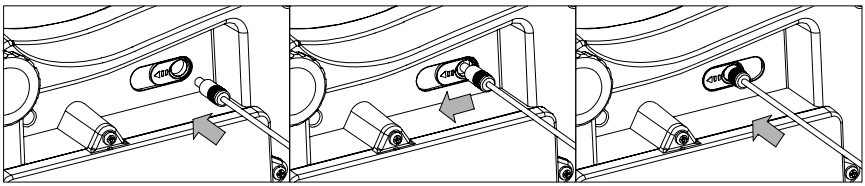

Figure 2-3. Slide to plug in

Then connect the AC adapter to the proper AC supply.

Figure 2-4. Connecting the AC adapter to AC supply

Caution: The scale can only be used in a dry environment when powered by the AC adapter.

2.5.1 Battery Power:

The scale can be used on AC power immediately. Allow the battery to charge for 12 hours before using the scale on battery power. The scale will automatically switch to battery operation if there is a power failure or the power cord is removed. With AC power, the scale is constantly charging, so the battery charge indicator (see item 8 in table 3-2) will remain lit. The scale can be operated during charging, and the battery is protected against overcharging. For maximum operating time, the battery should be charged at room temperature.

During battery operation, the battery symbol indicates the battery charging status. When charging, the symbol will blink slowly and when fully charged the symbol will stop blinking.

TABLE 2-1

Symbol	Charge Level
	Battery in use: Symbol displayed

Notes:
When battery symbol blinks fast, approximately 30 minutes working time is left.
When [Lo.bAt] is displayed, the scale will shut off.
Charging the scale must be performed in a dry environment.

CAUTION: Battery is to be replaced only by an authorized OHAUS service dealer. Risk of explosion can occur if the rechargeable battery is replaced with the wrong type or if it is not properly connected. Dispose of the lead acid battery according to local laws and regulations.

3. OPERATION – V22PW

3.1 Controls

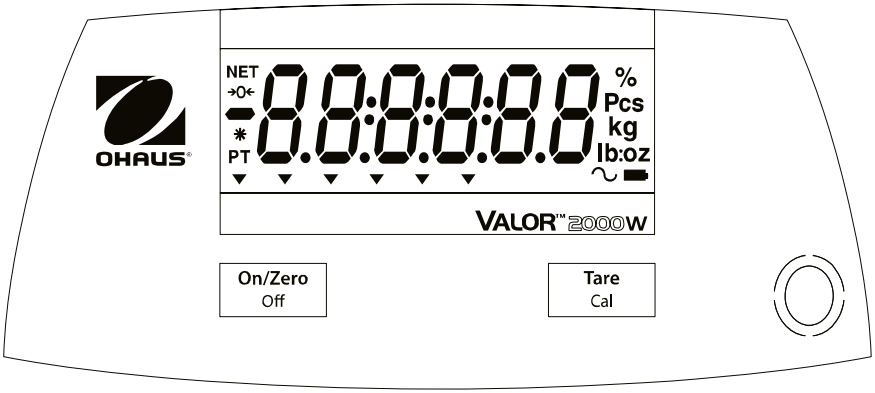

Figure 3-1. Front Control Panel Valor 2000W – V22PW

TABLE 3-1

Button	Functions
On/Zero Off	Short Press[1] (when on): Sets display to zero Short Press (when off): Turns scale on Long Press[2] (when on): Turns the scale off Short Press (in Menu): Selects / accepts displayed setting
Tare Cal	Short Press: Enter / clear a Tare value Extended Press[3]: Initiates Calibration procedure Short Press (in Menu): Toggles through available settings

Notes:

[1] Short Press: Press less than 2.5 seconds.

[2] Long Press: Press and hold for more than 2.5 seconds.

[3] Extended Press: Press and hold for more than 5 seconds.

Display

Figure 3-2. Valor 2000W Display

TABLE 3-2 Display Symbols

Item	Description	Item	Description
1	NET symbol	7	Dynamic symbol*
2	Center of Zero symbol	8	Battery charge symbol
3	Negative symbol	9	Pound, Ounce, Pound:Ounce symbol
4	Stable weight symbol	10	Gram, kilogram symbol
5	Preset Tare symbol*	11	Pieces symbol*
6	Pointer symbols*	12	Percent symbol*

Note: * Not Used

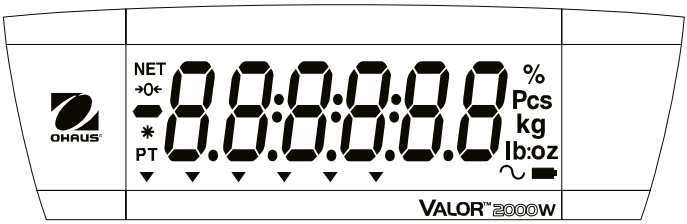

Figure 3-3. Valor 2000W – V22PW Rear display.

3.2 Turning Scale On/Off

To turn the scale on, press the **On/Zero Off** button. The scale performs a display test, momentarily displays the software version, and then enters the active weighing mode.

To turn the scale off, press and hold the **On/Zero Off** button until OFF is displayed.

3.3 Calibration Menu

To enter the calibration menu, extend press **Cal** button for 5 seconds, [SPAN] will then be displayed. Press **Zero** key to perform span calibration or press **Cal** key to proceed to GEO settings. Press **Zero** key to enter GEO settings and then press **Cal** key to increase the value. Press **Zero** key to confirm, [End] will be displayed. Press Zero key to exit the menu and return to weighing mode.

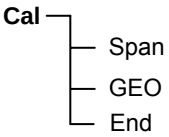

Figure 3-4. Menu structure

Span [SPAN] (yes, no)
Initiates a span calibration procedure (zero and span).

GEO [GEO]
Geographical Adjustment Factor (GEO) is used to adjust the calibration based on the current location. Settings from 0 to 31 are available with 12 being the default. Refer to table 4-2 to determine the GEO factor that corresponds to your location.

3.4 Initial Calibration

When the scale is first installed it should be calibrated to ensure accurate results. Before performing the calibration, be sure to have the appropriate calibration weights as listed in table 3-3.

Press and hold **Cal** for 5 seconds, the display will show [CAL]. When the button is released, the display will show [SPAN]. Press **On/Zero** to begin the span calibration. [--C--] blinks while zero reading is stored. Next, the display shows the calibration weight value. Place the specified calibration mass on the pan and press **On/Zero**. [--C--] blinks while the reading is stored. The scale returns to the previous application mode and is ready for use.

The message [Err 3.0 CAL] will be displayed if these calibration steps are not followed or if the wrong weight was used.

The calibration process can be aborted by turning the scale off.

TABLE 3-3

Required Span Calibration Mass (sold separately)			
Max	**Mass**	**Max**	**Mass**
1500 g	1 kg / 3 lb	15000 g	10 kg / 30 lb
3000 g	2 kg / 6 lb	30000 g	20 kg / 60 lb
6000 g	5 kg / 15 lb		

Note: If current unit is lb or oz, the scale will be calibrated by pound weight.

3.5 Unit Menu

Follow below instructions to enter the service menu to set the displayed unit.

With the scale off and LFT off, extend press both the **On/Zero** and **Tare** keys at the same time for more than 8 seconds until [rAMAP] is displayed. Press the **Tare** key through the succeeding displays: [rAMAP]*, [L in]*, [SPAN]*, [CAP]*, [d 5]* until [S.Un it] is displayed.

- When [S.Un it] is displayed, press the **On/Zero** key.
- [Un it kg] will be displayed. Press the **Tare** key until the active (power on) unit is displayed.
- When the active unit is displayed, press the **On/Zero** key.
- [On xx] is displayed. Press **Tare** to switch to [OFF xx], then press the **On/Zero** key**.
- The next unit [Un it xx] is displayed. Press the **Tare** key until the desired unit is displayed.
- When the desired unit is displayed, press the **On/Zero** key.
- [OFF xx] is displayed. Press the **Tare** key to switch to [On xx], then press the **On/Zero** key.
- Press the **Tare** key until [End] is displayed, then press the **On/Zero** key.
- Press the **Tare** key through the succeeding displays: [E.PAnd]*, [rESEt]* until [End] is displayed.

When [End] is displayed, press the **On/Zero** key to exit to weighing mode.

Notes:

*Do not change any of these settings (by pressing the On/Zero key). This may affect the correct set up of the scale.

**The active unit must be turned off first before another unit can be turned on.

4. OPERATION – V22XW

4.1 Controls

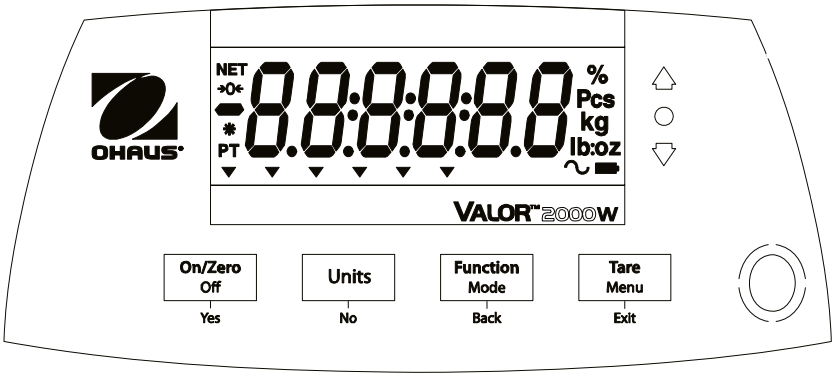

Figure 4-1. Front Control Panel Valor 2000W – V22XW

TABLE 4-1

Button	Functions
On/Zero Off (Yes)	Short Press[1] (when on): Sets display to zero Short Press (when off): Turns scale on Long Press[2] (when on): Turns the scale off Short Press (in Menu): Selects / accepts displayed setting
Units (No)	Long Press: Toggles through active Units Short Press (in Menu): Toggles through available settings
Function Mode (Back)	Short Press: Initiates an application mode specific response Long Press: Selects active Mode Short Press (in Menu): returns to previous settings
Tare Menu (Exit)	Short Press: Enter / clear a Tare value Long Press: Enters User Menu Short Press (in Menu): Quickly exit User Menu

Notes:

[1]Short Press: Press less than 2.5 seconds.

[2]Long Press: Press and hold for more than 2.5 seconds.

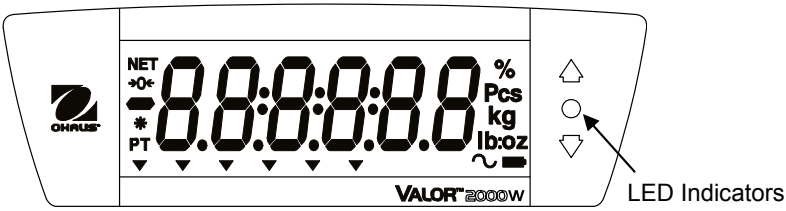

Figure 4-2. Valor 2000W – V22XW Rear display.

The colored LED indicators on the right side of the control panels are used in Checkweigh mode (section 4.5) and will light up according to the following rules:

- (Red) Loads > Upper limit
- (Green) Loads ≥ Lower limit and ≤ Upper limit
- (Yellow) Loads < Lower limit

Display

See section 3.1 for information about the display and it's symbols.

4.2 Turning Scale On/Off

To turn the scale on, press the **On/Zero Off** button. The scale performs a display test, momentarily displays the software version, and then enters the active weighing mode.

To turn the scale off, press and hold the **On/Zero Off** button until OFF is displayed.

4.3 Initial Calibration

When the scale is first installed it should be calibrated to ensure accurate results. Before performing the calibration, be sure to have the appropriate calibration weights as listed in table 3-3.

Press and hold **Menu** until [MENU] (Menu) is displayed. When the button is released, the display will display [CAL]. Press **Yes** to accept, [SPAN] will then be shown. Press **Yes** again to begin the span calibration. [--C--] blinks while zero reading is stored. Next, the display shows the calibration weight value. Place the specified calibration mass on the pan and press **Yes**. [--C--] blinks while the reading is stored. The scale returns to the previous application mode and is ready for use.

The message [Err 3.0 CAL] will be displayed if these calibration steps were not followed or if the wrong weight was used.

The calibration process can be aborted by turning the scale off.

4.4 Weigh Mode

1. Press and hold **Mode** until [WEIGH] (Weigh) is displayed.
2. If required, place an empty container on the pan and press **Tare**.
3. Add sample to the pan or container. The display shows the weight of the sample.

4.5 Checkweigh Mode

This mode sets low and high weight limits for portion control processes.

1. Press and hold **Mode** until [CHECK] (Check) is displayed. [CLr.rEF] (clear references) will then display.
   Notes: Press **Function** to view the low and high reference weight limits.
   If there is no reference data stored, [SEt.rEF] is displayed. Press **Yes** to set reference data.
2. Press **No** to use the stored reference weight limits and proceed to step 5.
3. Press **Yes** to establish new reference values. The scale will then display [SEt. LO]. Press **Yes** to view the "Low" limit value. Press **Yes** to accept or **No** to edit the "Low" limit value. The stored value then displays with the first digit highlighted [0.00.000 kg]. Repeatedly press **No** until the desired number appears. Press **Yes** to accept and highlight the next digit. Repeat until all the digits are correct. Press **Yes** to accept the "low" limit value, [SEt. HI] will be displayed.
4. Repeat the same procedure to accept or edit the "high" value.
5. If required, place an empty container on the pan and press **Tare**. Place sample material on the pan or in the container. If the sample weight is under the target weight range, the yellow LED will light. If the sample is within the target weight range, the green LED will light. If the sample is over the target weight range, the red LED will light.
6. To clear the stored reference values press and hold **Mode** until [CHECK] is displayed. Press **Yes** when [CLr.rEF] is displayed.

4.6 Menu Settings

The User Menu allows the customizing of scale settings.
Note: Valor 2000W – V22PW does not have these Menus.

4.6.1 Menu Navigation

User Menu:

Menu:	***C.A.L***	***M.O.d.E***	***U.n.i.t***	***E.n.d***
Menu Items:	*Span* *Lin* *GEO* *End*	*Reset* *Check* *End*	*kg* *g* *oz* *lb* *lb:oz* *End*	

To Enter the Menu Mode

Press and hold **Menu** until [MENU] (Menu) is displayed. When released the first sub-menu [CAL] (Cal) will be shown.
Press **Yes** to enter the displayed sub-menu or press **No** to advance to the next. Selecting a sub-menu will display the first menu item. Press **Yes** to view the menu item setting or press **No** to move to the next menu item. When viewing the setting, press **Yes** to accept the setting, or press **No** to change the setting. When [End] is displayed, press **Yes** to return to the sub-menu selections or **No** to return to the first item in the current menu. **Bold** indicates factory default setting.

Note: The Calibration / Menu Mode indicator is displayed when in the Menu Mode.

4.6.2 Cal Menu

Enter this menu to perform calibrations.

- **Span** [SPAN] (yes, no)
  Initiates a span calibration procedure (zero and span).
- **Lin** [L IN] (yes, no)
  Initiates a linearity calibration procedure (zero, mid-point and span).
- **GEO** [GEO]
  Geographical Adjustment Factor (GEO) is used to adjust the calibration based on the current location. Settings from 0 to 31 are available with 12 being the default. Refer to table 4-2 to determine the GEO factor that corresponds to your location.
- **End Cal** [End]
  Advance to the next menu or return to the top of the current menu.

4.6.3 Mode Menu

Enter this menu to activate modes so they will be available for use with the Mode button. Weigh mode is always active by default.

- **Reset** [rESEt] (**no**, yes)
  Reset the Mode menu to factory defaults.
- **Check** [CHECK] (off, **on**)
  Set the sub-mode.
- **End Mode** [End]
  Advance to the next menu or return to the top of the current menu.

4.6.4 Unit Menu

Enter this menu to activate units so they will be accessible with the **Units** button. The units in the menu must be turned "on" to be active.
Note: Available units vary by model and local regulations.

4.6.5 End Menu

Press '**Yes**' to advance to the Calibration menu. Press '**No**' to exit the menu and return to the current application mode.

TABLE 4-2. GEO CODES

		Elevation in meters										
		0	325	650	975	1300	1625	1950	2275	2600	2925	3250
		325	650	975	1300	1625	1950	2275	2600	2925	3250	3575
		Elevation in feet										
		0	1060	2130	3200	4260	5330	6400	7460	8530	9600	10660
		1060	2130	3200	4260	5330	6400	7460	8530	9600	10660	11730
Latitude		GEO value										
0°00'	5°46'	5	4	4	3	3	2	2	1	1	0	0
5°46'	9°52'	5	5	4	4	3	3	2	2	1	1	0
9°52'	12°44'	6	5	5	4	4	3	3	2	2	1	1
12°44'	15°06'	6	6	5	5	4	4	3	3	2	2	1
15°06'	17°10'	7	6	6	5	5	4	4	3	3	2	2
17°10'	19°02'	7	7	6	6	5	5	4	4	3	3	2
19°02'	20°45'	8	7	7	6	6	5	5	4	4	3	3
20°45'	22°22'	8	8	7	7	6	6	5	5	4	4	3
22°22'	23°54'	9	8	8	7	7	6	6	5	5	4	4
23°54'	25°21'	9	9	8	8	7	7	6	6	5	5	4
25°21'	26°45'	10	9	9	8	8	7	7	6	6	5	5
26°45'	28°06'	10	10	9	9	8	8	7	7	6	6	5
28°06'	29°25'	11	10	10	9	9	8	8	7	7	6	6
29°25'	30°41'	11	11	10	10	9	9	8	8	7	7	6
30°41'	31°56'	12	11	11	10	10	9	9	8	8	7	7
31°56'	33°09'	12	12	11	11	10	10	9	9	8	8	7
33°09'	34°21'	13	12	12	11	11	10	10	9	9	8	8
34°21'	35°31'	13	13	12	12	11	11	10	10	9	9	8
35°31'	36°41'	14	13	13	12	12	11	11	10	10	9	9
36°41'	37°50'	14	14	13	13	12	12	11	11	10	10	9
37°50'	38°58'	15	14	14	13	13	12	12	11	11	10	10
38°58'	40°05'	15	15	14	14	13	13	12	12	11	11	10
40°05'	41°12'	16	15	15	14	14	13	13	12	12	11	11
41°12'	42°19'	16	16	15	15	14	14	13	13	12	12	11
42°19'	43°26'	17	16	16	15	15	14	14	13	13	12	12
43°26'	44°32'	17	17	16	16	15	15	14	14	13	13	12
44°32'	45°38'	18	17	17	16	16	15	15	14	14	13	13
45°38'	46°45'	18	18	17	17	16	16	15	15	14	14	13
46°45'	47°51'	19	18	18	17	17	16	16	15	15	14	14
47°51'	48°58'	19	19	18	18	17	17	16	16	15	15	14
48°58'	50°06'	20	19	19	18	18	17	17	16	16	15	15
50°06'	51°13'	20	20	19	19	18	18	17	17	16	16	15
51°13'	52°22'	21	20	20	19	19	18	18	17	17	16	16
52°22'	53°31'	21	21	20	20	19	19	18	18	17	17	16
53°31'	54°41'	22	21	21	20	20	19	19	18	18	17	17
54°41'	55°52'	22	22	21	21	20	20	19	19	18	18	17
55°52'	57°04'	23	22	22	21	21	20	20	19	19	18	18
57°04'	58°17'	23	23	22	22	21	21	20	20	19	19	18
58°17'	59°32'	24	23	23	22	22	21	21	20	20	19	19
59°32'	60°49'	24	24	23	23	22	22	21	21	20	20	19
60°49'	62°90'	25	24	24	23	23	22	22	21	21	20	20
62°90'	63°30'	25	25	24	24	23	23	22	22	21	21	20
63°30'	64°55'	26	25	25	24	24	23	23	22	22	21	21
64°55'	66°24'	26	26	25	25	24	24	23	23	22	22	21
66°24'	67°57'	27	26	26	25	25	24	24	23	23	22	22
67°57'	69°35'	27	27	26	26	25	25	24	24	23	23	22
69°35'	71°21'	28	27	27	26	26	25	25	24	24	23	23
71°21'	73°16'	28	28	27	27	26	26	25	25	24	24	23
73°16'	75°24'	29	28	28	27	27	26	26	25	25	24	24
75°24'	77°52'	29	29	28	28	27	27	26	26	25	25	24
77°52'	80°56'	30	29	29	28	28	27	27	26	26	25	25
80°56'	85°45'	30	30	29	29	28	28	27	27	26	26	25
85°45'	90°00'	31	30	30	29	29	28	28	27	27	26	26

5. MAINTENANCE

5.1 Cleaning

The housing may be cleaned with a cloth dampened with a mild detergent if necessary. Do not use solvents, chemicals, alcohol, ammonia or abrasives to clean the housing or control panels.

5.2 Cleaning the Plastic Pan

5.2.1 Uninstalling and cleaning the plastic pan

Please follow the steps below to clean the plastic pan:

1. Remove the stainless steel pan
2. Remove the four thumb screws holding the battery cover.
3. Unplug the two battery clips and remove the battery.
4. Using a Phillips screwdriver, remove the two screws located at the bottom of the battery compartment.
5. Remove the plastic pan.
6. Clean the plastic pan.

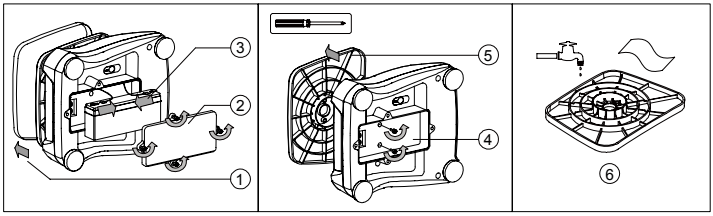

Figure 5-1. Pan cleaning

5.2.2 Reinstalling the pan after cleaning

Please follow the steps below to reinstall the plastic pan (see also the steps in figure 5-1, in reversed order):

1. Using a Phillips screwdriver, attach the plastic pan to the housing with the two screws.
2. Place the battery in the battery compartment and attach the two battery clips. Attach the red wire to the positive (red) battery terminal and the black wire to the negative (black) battery terminal.
3. Attach the battery cover with the four thumb screws.
4. Place the scale upright and install the stainless steel pan.

Caution: Risk of explosion can occur if the battery is not properly connected.

5.3 Troubleshooting

The following table lists common problems and possible causes and remedies. If the problem persists, contact OHAUS or your authorized dealer.

TABLE 5-1

Symptom	Possible Cause	Remedy
Cannot turn on	No power to scale Battery discharged	Verify connections and power source
Poor accuracy	Improper calibration Unstable environment	Perform calibration Move scale to suitable location
Cannot calibrate	Unstable environment Incorrect calibration weight	Move the scale to suitable location Use correct calibration weight
Err 3.0 CAL	Incorrect calibration weight	See table 3-4 for correct weights
Err 8.1 "LOAd"	Power on zero range exceeded	Clear pan
Err 8.2 _LOAd_	Power on zero under range	Install pan
Err 8.3 "LOAd"	Overload	Load exceeds scale maximum capacity
Err 8.4 _LOAd_	Under load	Reading below min. range - Re-install pan.
Err 8.5 "tArE"	Tare out of range	Tare value exceeds maximum.
Err 9 dAtA	Internal data error.	Contact an authorized service agent
Err 13 rnEm	Fail to write EEPROM.	Contact an authorized service agent
Err 53 C.SUm	Invalid checksum data	Contact an authorized service agent.
Lo.bAt	Battery is discharged.	Connect the power and charge the battery
Battery fails to charge fully	Battery is defective.	Have battery replaced by OHAUS authorized service dealer.

5.4 Service Information

If the troubleshooting section does not resolve or describe your problem, contact your authorized OHAUS service agent. Please visit our web site, **www.ohaus.com** to locate the OHAUS office nearest you.

6. TECHNICAL DATA

The technical data is valid under the following ambient conditions:
Indoor use only
Operating temperature: -10ºC (14ºF) to 40ºC (104ºF)
Relative humidity: 10% to 90% relative humidity, non-condensing
Altitude: Up to 2000 m
Power: AC Adapter (supplied) - 12 VDC 0.84 A output, internal rechargeable sealed lead-acid battery
Mains supply voltage fluctuations: up to ±10% of the nominal voltage
Installation Category: II
Pollution Degree: 2

6.1 Specifications

TABLE 6-1

MODEL**	V22PWE1501T V22XWE1501T	V22PWE3T V22XWE3T	V22PWE6T V22XWE6T	V22PWE15T V22XWE15T	V22PWE30T V22XWE30T
Capacity x Readability (Max x d)	1.5 kg x 0.0002 kg 1500 g x 0.2 g 3 lb x 0.0005 lb 48 oz x 0.01 oz	3 kg x 0.0005 kg 3000 g x 0.5 g 6 lb x 0.001 lb 96 oz x 0.02 oz	6 kg x 0.001 kg 6000 g x 1 g 15 lb x 0.002 lb 240 oz x 0.05 oz	15 kg x 0.002 kg 15000 g x 2 g 30 lb x 0.005 lb 480 oz x 0.1 oz	30 kg x 0.005 kg 30000 g x 5 g 60 lb x 0.01 lb 960 oz x 0.2 oz
Maximum Displayed Resolution	7500	6000	6000	7500	6000
Repeatability (at 20°C)	0.2 g	0.5 g	1 g	2 g	5 g
Linearity (at 20°C)	±0.2 g	±0.5 g	±1 g	±2 g	±5 g
Weighing Units	g, kg, lb, oz, lb:oz *				
Tare Range	To capacity by subtraction				
Stabilization Time	≤ 0.5 seconds				
Safe Overload Protection	150 % of scale capacity				
Weight Display	2 x Red LED (front and rear) 6-digit 7-segment, 20.5 mm / 0.8 in characters				
Keyboard	V22PW: 2 buttons, V22XW: 4 buttons				
Application Modes	V22PW: Weighing, V22XW: Weighing, Checkweighing				
Battery Operating Time (at 20ºC)	Typically 50 hours with 12-hour full charge				
Construction	V22PW: ABS housing with 304 stainless steel platform V22XW: ABS bottom housing with 304 stainless steel top housing and platform				
Ingress Protection	IPX8				
Pan Dimensions	190 x 242 mm / 7.5 x 9.5 in				
Net Weight	V22PW: 3.0 kg / 6.6 lb V22XW: 3.9 kg / 8.6 lb				
Shipping Weight	V22PW: 4.0 kg / 8.8 lb V22XW: 4.9 kg / 10.8 lb				
Shipping Dimensions	410 x 370 x 220 mm / 16.1 x 14.6 x 8.7 in				

Note: * For V22PW, see section 3.5.

**Models without "T" (e.g. V22PWE3) are single display versions. These are only available in certain countries.

6.2 Drawings and Dimensions

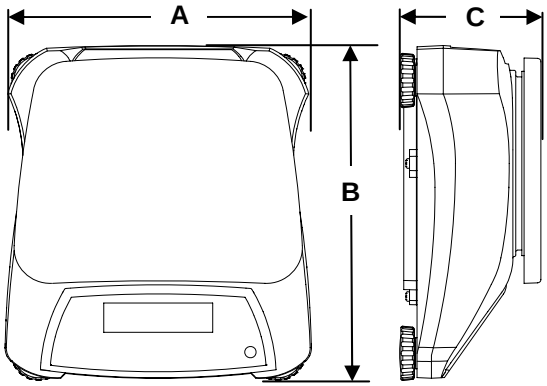

Figure 6-1. Dimensions

TABLE 6-2

	V22PW	V22XW
A	256 mm 10.1 in	256 mm 10.1 in
B	280 mm 11 in	288 mm 11.3 in
C	121 mm 4.8 in	124 mm 4.9 in

6.3 Compliance

Compliance to the following standards is indicated by the corresponding mark on the product.

Mark	Standard
CE	This product conforms to the EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC. The Declaration of Conformity is available online at europe.ohaus.com/europe/en/home/support/compliance.aspx.
	AS/NZS CISPR 11
C US	CAN/CSA-C22.2 No. 61010-1-12 UL Std. No. 61010-1 (3rd edition)
NSF	NSF/ANSI 169–2009
USDA	NSF/ANSI/3-A 14159-1-2010

Disposal

In conformance with the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) this device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements.
The Batteries Directive 2006/66/EC introduces new requirements from September 2008 on removability of batteries from waste equipment in EU Member States. To comply with this Directive, this device has been designed for safe removal of the batteries at end-of-life by a waste treatment facility.

Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment. If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.

Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related.

Disposal instructions in Europe are available online at europe.ohaus.com/europe/en/home/support/weee.aspx.

Thank you for your contribution to environmental protection.

FCC Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada Note

This Class B digital apparatus complies with Canadian ICES-003.

ISO 9001 Registration

In 1994, OHAUS Corporation, USA, was awarded a certificate of registration to ISO 9001 by Bureau Veritus Quality International (BVQI), confirming that the OHAUS quality management system is compliant with the ISO 9001 standard's requirements. On June 21, 2012, OHAUS Corporation, USA, was re-registered to the ISO 9001:2008 standard.

Product Registration

Protect your investment. Register your product with your local OHAUS dealer or online at www.ohaus.com.

Limited Warranty

OHAUS products are warranted against defects in materials and workmanship from the date of delivery through the duration of the warranty period. During the warranty period OHAUS will repair, or, at its option, replace any component(s) that proves to be defective at no charge, provided that the product is returned, freight prepaid, to OHAUS. This warranty does not apply if the product has been damaged by accident or misuse, 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 OHAUS. In lieu of a properly returned warranty registration card, the warranty period shall begin on the date of shipment to the authorized dealer. No other express or implied warranty is given by OHAUS Corporation. OHAUS Corporation shall not be liable for any consequential damages.

As warranty legislation differs from state to state and country to country, please contact OHAUS or your local OHAUS dealer for further details.

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