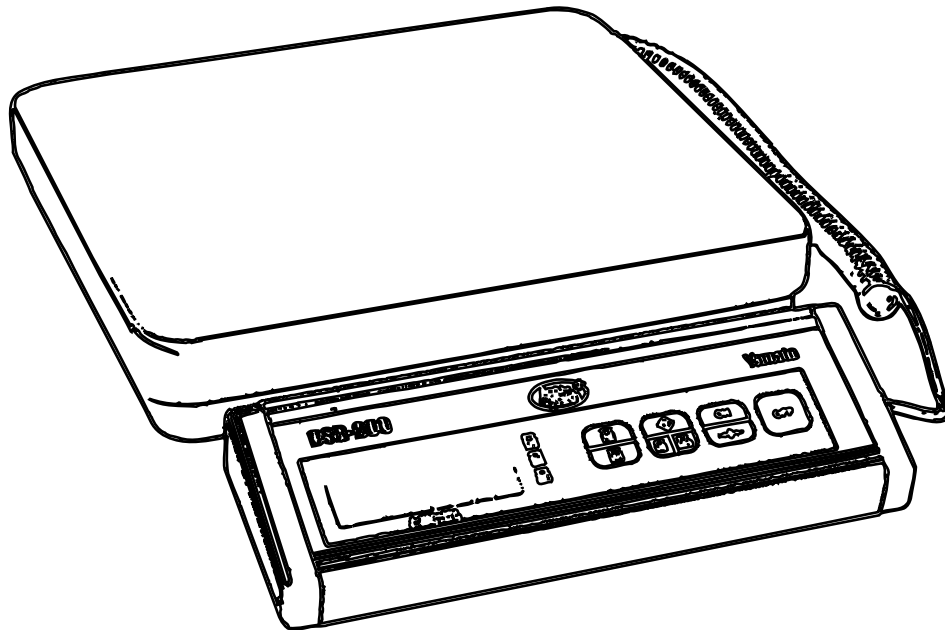


DSR-200

Technical Manual



Yamato

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SAFETY INSTRUCTIONS

Before using the scale, carefully read, understand and follow the "Safety Instructions" described in this manual. Observe the advice given in every section to ensure proper operation. Keep this manual handy for reference.

- 1) This scale is **not** an explosion-proof model. Do not use the scale in an atmosphere containing flammable gases or explosive fumes. A fire or an explosion can result.
- 2) Do not operate the scale if there is smoke or a burned smell coming from the scale. Unplug the scale immediately. After making sure that there is no danger, consult your dealer. Never try to repair the scale by yourself.
- 3) Never step on or sit on the scale. Not only will the scale be damaged, but you may also be injured.
- 4) Place the item to be weighed in the center of the platform. Items placed on the edge of the platform may fall off and cause injury.
- 5) When weighing a heavy, large or unbalanced item, make sure the item is stable on the platform, otherwise, an accident may occur.
- 6) When carrying or moving the scale, be sure to hold it by the bottom of the base with both hands. If you hold it by the platform, the platform or the platform support may become detached causing the scale to fall. This will damage the scale. The platform is designed for easy removal and cleanup.
- 7) Do not insert your finger into the gaps or holes in the scale. You may be injured.

I Introduction



The DSR-200 displays units of pounds and kilograms. The specifications for each unit are in the following table.



Capacity	Increment	Accuracy	Maximum Tare
200.0 lb	0.02 lb	0.04 lb	12.56 lb
100.0 kg	0.1 kg	0.2 kg	kg

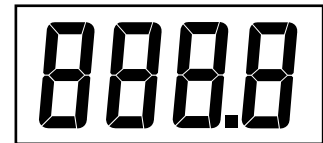
The DSR-200 can be powered by 6-AA batteries or by an AC adapter. Use only the AC adaptor supplied or an adaptor of the same output characteristics. While operating the DSR-200 on batteries, an automatic-off feature is enabled. It will turn off the scale after two minutes of non-use unless the feature is disabled. The automatic-off is set in Set-up Mode (see section II.A.)


II Set-up Procedures

II.A Setting Auto-Off


Set-up Mode is used to disable or enable the automatic-off feature and to enter Calibration Mode. While in Set-up Mode, the  On key is used as an "Enter" key and the  unit key is used as a "Select" key.

1. With the scale off, press and hold the  On key while pressing the  unit key three times.




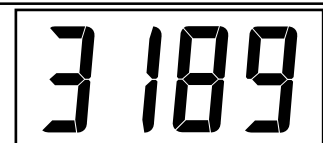
2. Release the  On key. The display will now show "SLPx". SLP1 means the auto-off is enabled, while SLP0 indicates the auto-off is disabled.



3. Press the  unit key to toggle between SLP0 and SLP1.



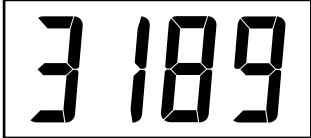









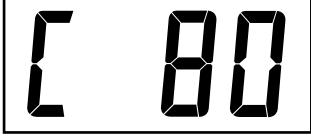


4. Pressing the  On key will save the auto-off setting and enter the Calibration Mode.



5. Press the  Off key to exit Set-up Mode.

II Set-up Procedures

II.B Calibration

<p>1. Enter Calibration Mode (see section II.A.1-4.) The scale should indicate between 500 to 5000 counts.</p>	
<p>2. Press the  unit key to select the units the scale will be calibrated in.</p>	<p>  ○  ●  ○ </p>
<p>3. Remove all items from the scale platform and press the  On key.</p>	
<p>4. Place 200 lb or 80 kg on the scale platform. The scale should indicate 13600 to 18000 counts for 200 pounds or 8000 to 16000 counts for kilograms. Note that the display will not indicate the fifth digit, and the first digit will be flashing.</p>	
<p>5. Press the  On key. The scale will display “C200” for pounds or “C 80” for kilograms.</p>	 
<p>6. When the calibration is complete, the scale will return to normal weighing mode and indicate the weight on the platform.</p>	 

III Troubleshooting

Problem	Possible Cause	Solution
The scale will not power on.	Batteries dead or incorrectly installed. AC adapter loose or malfunctioning. CPU board malfunction.	Test batteries. Reinstall if needed. Reseat adapter. Replace if needed. Replace CPU board.
The display continues to display four eights after the scale is turned on.	Vibration or an unstable position or platform.	Remove source of vibration or place scale on stable platform.
The displayed weight fluctuates excessively.	Material between the platform and the scale body. Weighing assembly in contact with wires or case. Load cell connector loose or damaged. Power board malfunction. CPU board malfunction.	Remove material. Reposition wires, case or platform. Reconnect or replace the load cell connector. Replace power board. Replace CPU board.

IV Wiring Diagram

