

SW-2300C

User Manual

Introduction

Dear User:

This User's Guide is designed for a training and reference manual. We recommend you read carefully and follow the steps in this guide to ensure that the machine would have optimum performance.

If you need more information, please contact:

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Symbol

-  Warning, May cause hurt or damage
-  Attention, May do harm to machine and accessories
-  Hint, how to use it better

Precaution

-  This instrument requires the power supply of AC 90-230V. If the local power net could not fit the requirement, then we recommend you to use regulated power supply. Improper power supply may cause instrument damage or person injury.
-  All the accessories should be well kept. If anything is missing, the instrument could not be warranted.
-  The instrument should be kept away from strong magnetic or electric field or other strong disturbance sources.
-  The probe is key, delicate and expensive. Do not stress it, knock it or fall it from high place. Don't twist or pull the leading line violently.

-  It is not permitted that user himself disassembles the main unit or probe. If there is any problem, please send it to the warranty station.
-  When the ambient temperature is under 10°C , the instrument should warm up for 5 minutes before it begins to work.
-  Never use any charger or battery that is damaged.
-  Do not dispose of batteries in a fire!
-  Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.

Environment Requirement

1. Work Environment

- Ambient temperature : +5°C ~ +40
- Relative moisture : ≤ 80%
- Keep away from strong magnetic or electronic field.

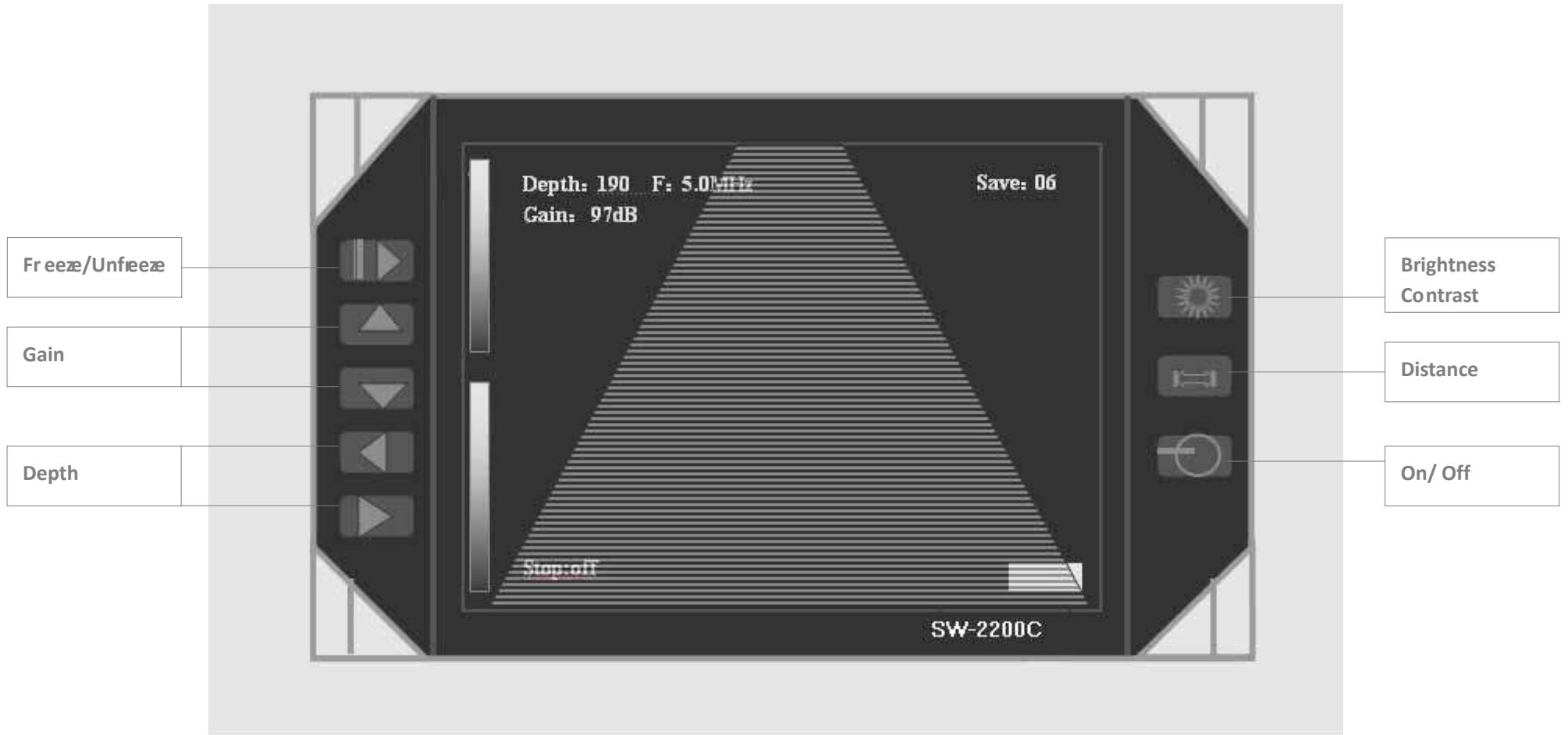
2. Transport and Storage

- Ambient temperature : -40°C ~ +40°C
- Relative moisture : ≤ 95%

3. Running

- Ambient temperature : +5°C~ +40°C
- Relative moisture : ≤ 80%

Power Supply : DC 8.4V



Specifications:

Probe: 3.5/5MHz noiseless magnetically drove. (Waterproof)

Resolution: Lateral $\leq 2\text{mm}$,Vertical $\leq 1\text{mm}$

Scan angle: 80 degrees

Depth control: 110mm, 150 mm, 170mm, and 190mm

Gray scale: 256 shades

Display mode: B mode

Image store: 15 images

Display: 5.5-inch TFT color LCD

Installation

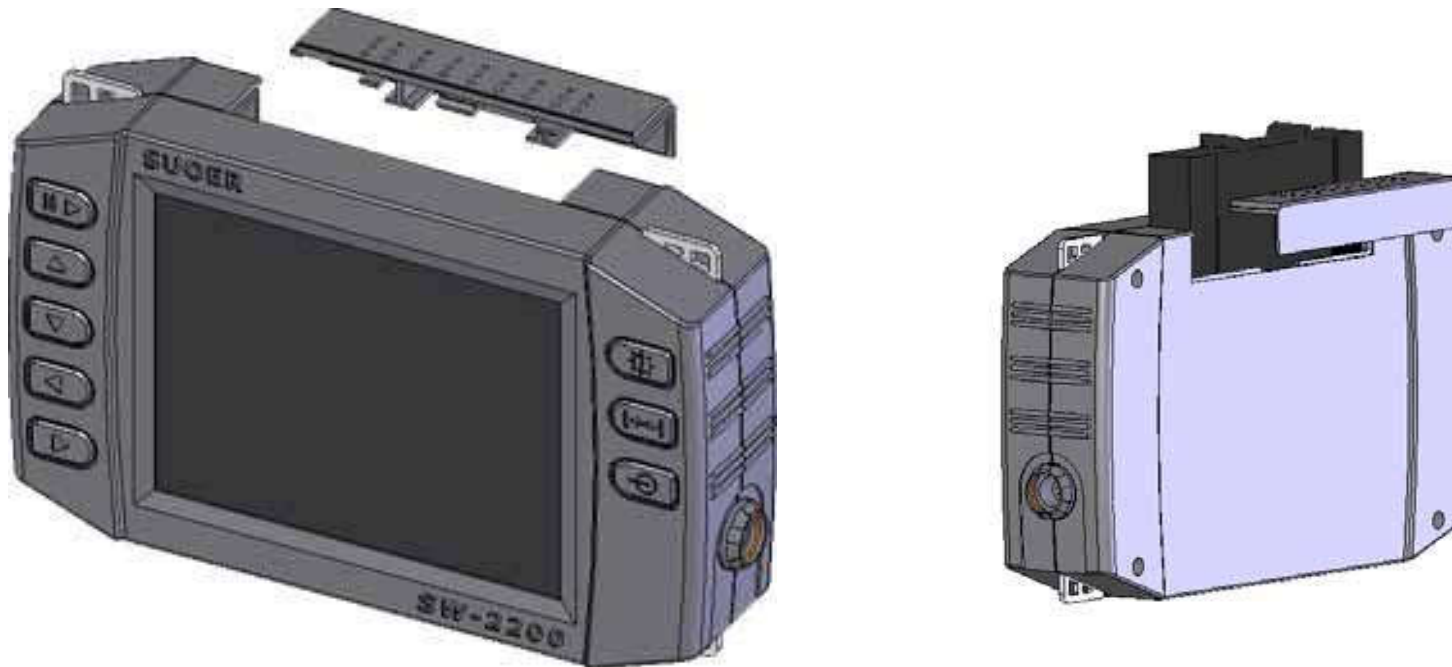
How to connect B probe:



- ⚠ The probe line must be connected before power on. Don't unplug or pull the probe line when power is on.
- ⚠ B probe is delicate part, do not press, knock or drop it strongly.
- ⚠ NEVER pull on de cord. Always only use the ring to push (connect) or pull (disconnect)

How to change the battery?

Press and move the cover of battery cabin.



Be sure to place the battery the correct way. Look for the tongues on the battery and the grooves in the battery compartement. Placing the battery the wrong way will destroy the scanner !!!!!

How to turn on/ off the scanner

Long press this button to turn on the scanner and press the **Freeze** button to enter measuring mode

When switch off the unit, long press On/Off button and the word 'SYSTEM POWER OFF' will appear on the screen.



How to freeze the image

When turn on the unit, press the key **Freeze**, you can switch the mode between **Measuring mode** and **the Freeze mode**



Measuring Mode (Stop: Off)



Freeze Mode (Stop : On)

How to adjust the Depth and Gain

Under **measuring mode** , press the key ▲ / ▼ to control the gain press ◀ / ▶ key to adjust the depth.



How to adjust the **Brightness** and **Contrast**

Under **Measuring mode**, press **○** key to enter into setup. Press this key again to exit.



Measuring Mode

In setup interface, press **▲** **▼** / switch the mode among **Brightness**, **Contrast**

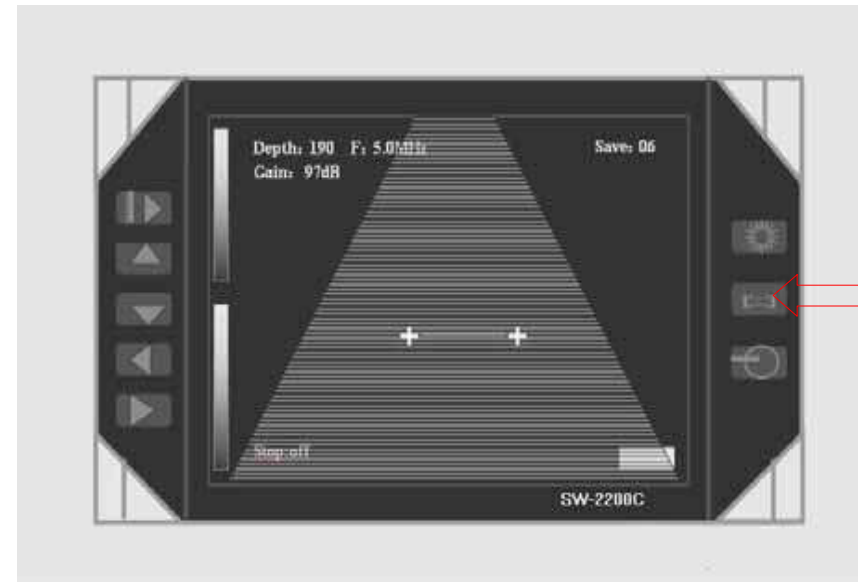
Press **◀** key or **▶** key to adjust each mode.


Distance measurement

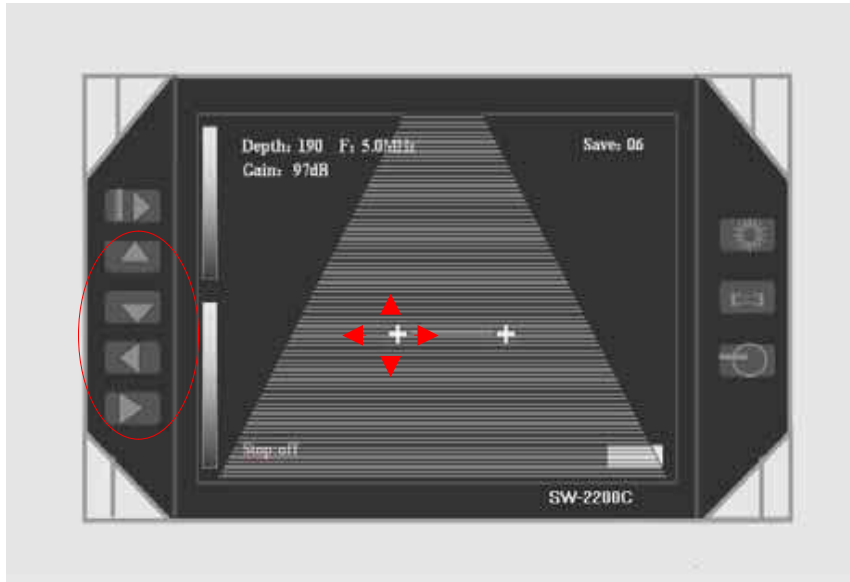
Under **freeze** mode, press **Distance** key, then the cursor will appear on the screen. It's used for distance measurement. Press **Distance** key again to exit.



Freeze Mode



Press  key to control the direction of movement of cursor.



Press **Distance** key switch to the other end of cursor.



How to charge the battery

Each battery can work for 4 hours The battery can be charged directly with the charger automatically.

When it begins charging, the red light turns on.
When charging complete, red light will turn green.



Charger & battery

All the parts are packed in a hand-carry case, easy to take. Inner plastic foam will help to protect the machine and the parts.

