

WGA-910A How to update the firmware

[Ver 01.04 → after 02.00]

It describes the procedure for updating to WGA - 910A Ver01.04 → after02.00.

**Be sure to follow this procedure and execute it,
because it differs from normal update way.**

Attention

- **For the CC-Link option WGA-910A-4, please don't update, please contact company sales.**
- This step is unnecessary if the firmware version is already 02.00 or later. Please refer to the instruction manual and update.
- Waveform comparison file "WGA 910 __SET__ WAVE.KS" is not included in the included CD when using Ver 01.04. After downloading from our website, copy it to the root directory of the SD card and use it according to the main instruction manual.
- This firmware version is compatible with SD card software "Ver.02.00". It cannot be used in earlier versions.
- SD card or SDHC card is required for updating.

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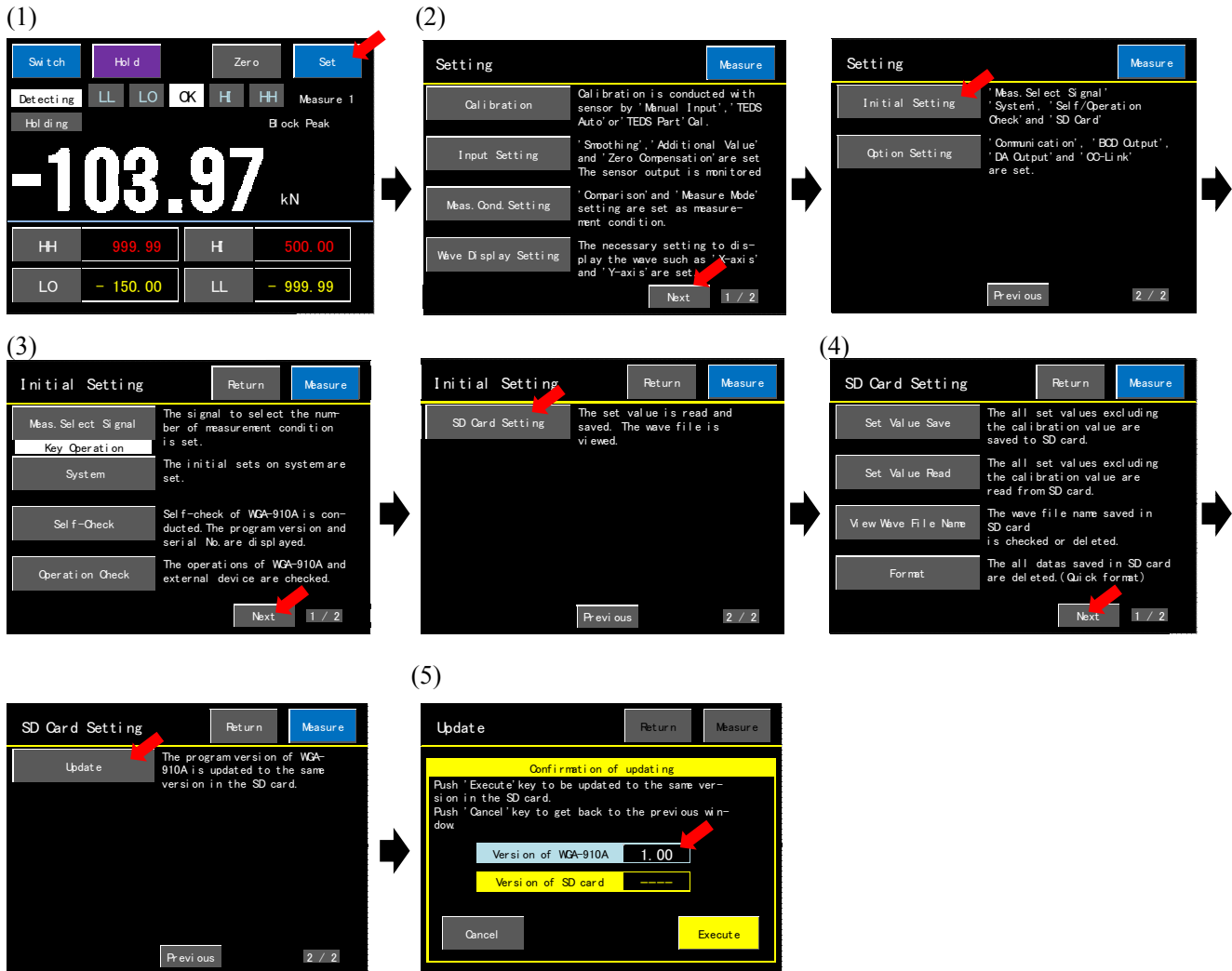
1. Preparation

1.1. Check the main firmware version

Check the present firmware version.

- (1) Press the [SET] key on the measuring window.
- (2) Press the [Initial Setting] key on the [Setting] window.
- (3) Press the [SD Card Setting] key on the [Initial Setting] window.
- (4) Press the [Update] key on the [SD Card Setting] window.
- (5) The [Update] window shows the firmware version.

[Screen transition]



1.2. Save the setting value

In order to reflect the current setting value after updating, save the setting value.

- (1) Insert the SD card into the WGA-910A.
- (2) Press the [SET] key on the measuring window.
- (3) Press the [Initial Setting] key on the [Setting] window.
- (4) Press the [SD Card Setting] key on the [Initial Setting] window.
- (5) Press the [Set Value save] key on the [SD Card Setting] window.
- (6) Press the [Execute] key on the [Set Value Save] window.

The saving name of setting file is "WGA910_SET.KS". **Don't delete the file absolutely.**

[Screen transition]



1.3. Record the setting value

The following data must be recorded separately from the saving of the SD card. It must be set again after initializing.

- Passed Level* (Initial value : 0 count)
- Hold Time of Wave* (Initial value : 0.0 sec)

* Since the set value is common to each measurement condition number, it is not necessary to record for each measurement condition number.

- (1) Press the [SET] key on the measuring window.
- (2) Press the [Wave Display Setting] key on the [Setting] window.
- (3) Press the [Start Mode of Wave] key on the [Wave Display Setting] window.
- (4) Select the [Auto Mode] and press the [Resister] key.
- (5) Check and record the value [Hold time of wave].
- (6) Go to the back page and register [Normal Mode] on the [Start Mode of Wave] window.
- (7) Check and record the value [Passed Level] on the [Wave Display Setting] window.

[Screen transition]

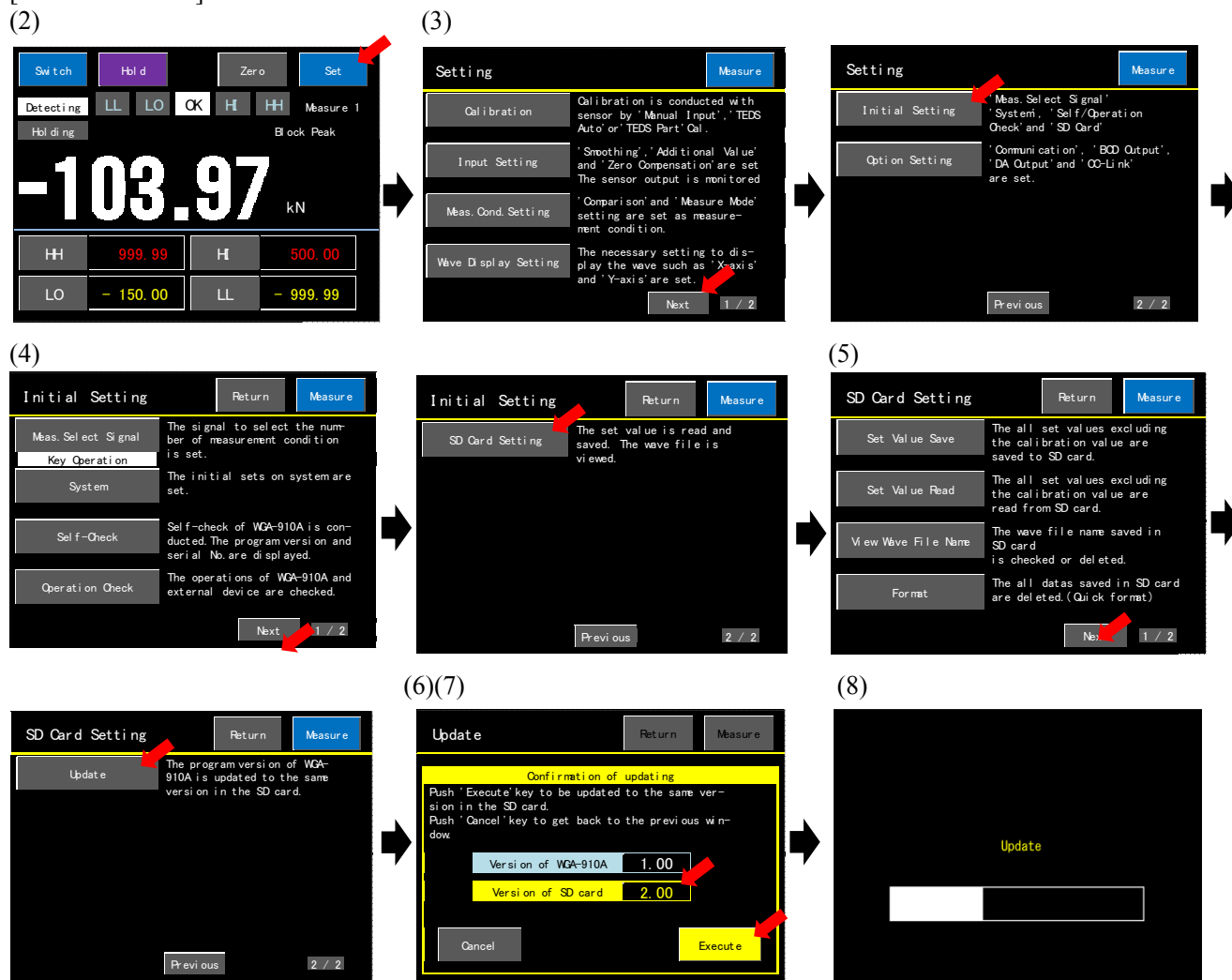


2. Update

Save the file for updating in root folder in SD card, and insert SD card to WGA-910A.

- (1) Press the [SET] key on the measuring window.
- (2) Press the [Initial Setting] key on the [Setting] window.
- (3) Press the [SD Card Setting] key on the [Initial Setting] window.
- (4) Press the [Update] key on the [SD Card Setting] window.
- (5) The display shows [update version] on the [SD Card Setting] window.
- (6) Press the [Execute] key. **Never unplug the SD card while updating.**
- (7) When the progress bar reaches 100%, the power lamp of the WGA main unit lights up in green.
After confirming that it turns green, please turn off the power and restart it.

[Screen transition]



※The update file is following.

Copy the data to the root directory of the SD card without changing the file name.
If you create a folder and save it in it, you cannot update it.

PVER.h

WGA910_A.BIN

WGA910_B.BIN

WGA910_C.BIN

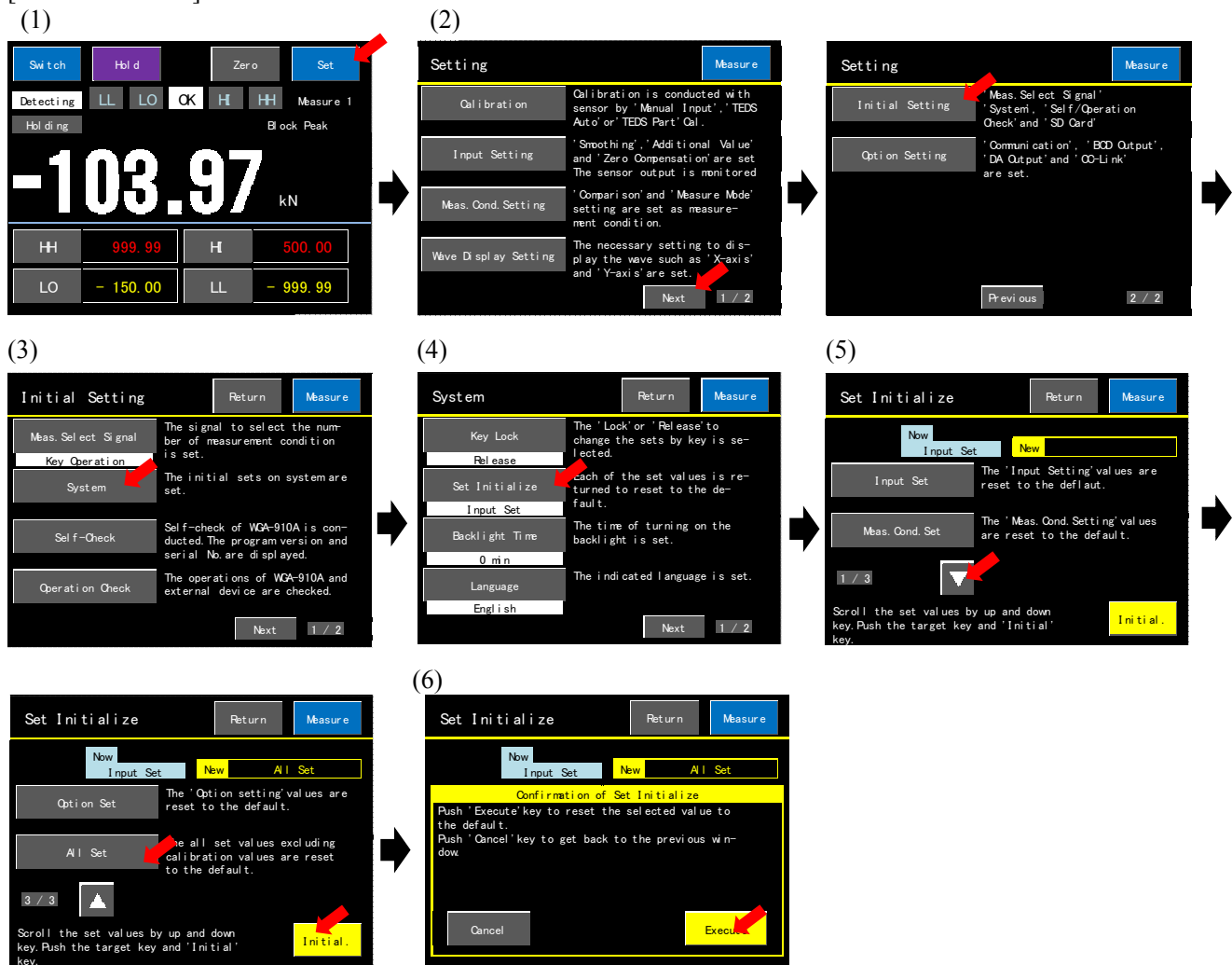
3. Initialize all settings

After updating, initialize all settings.

* Even if all settings are initialized, the calibration values of the rated output and rated display are not initialized.

- (1) Press the [SET] key on the measuring window.
- (2) Press the [Initial Setting] key on the [Setting] window.
- (3) Press the [System] key on the [Initial Setting] window.
- (4) Press the [Set Initialize] key on the [Setting] window.
- (5) Press the [All set] key on the [Set Initialize] window, and press the [Initial.] key.
- (6) After 10 to 20 seconds elapse, the display automatically returns to the [Set Initialize] window.

[Screen transition]

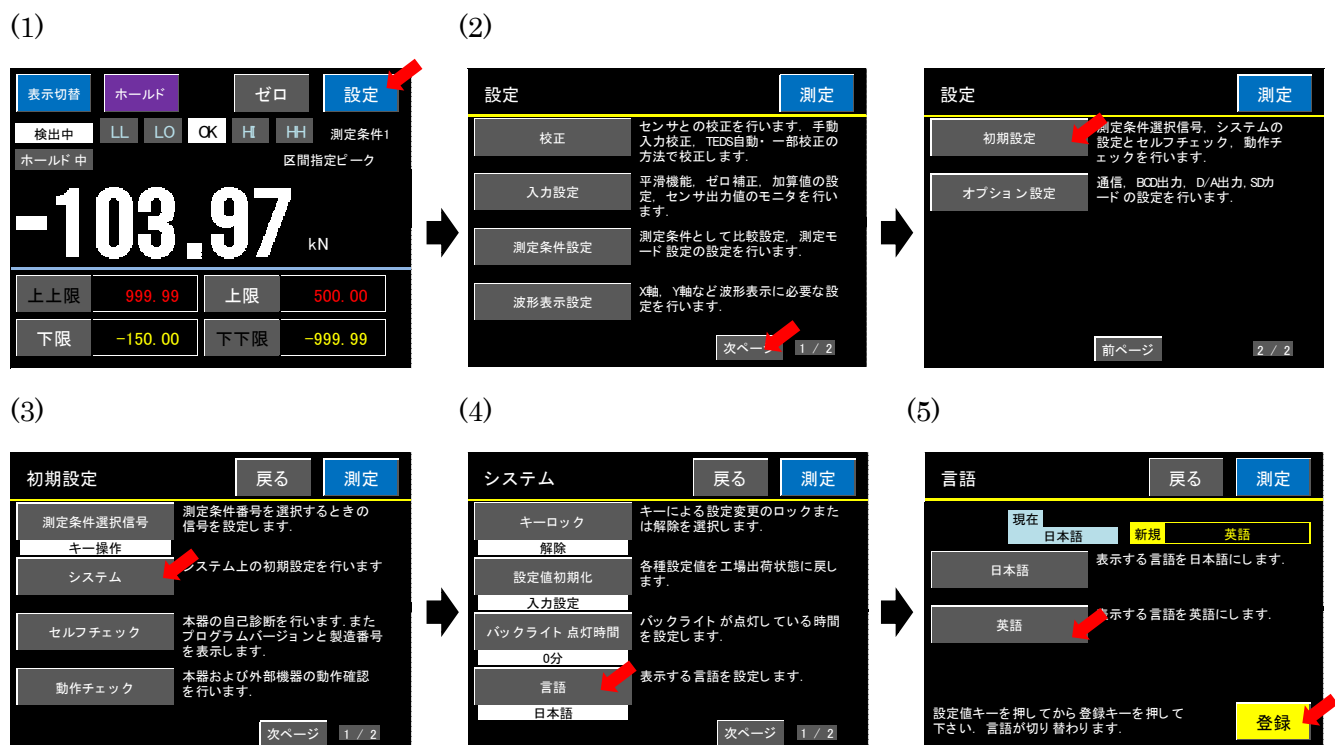


4. Restore language to English

After initializing, WGA-910A displays in Japanese mode.

The following shows how to restore language from Japanese to English.

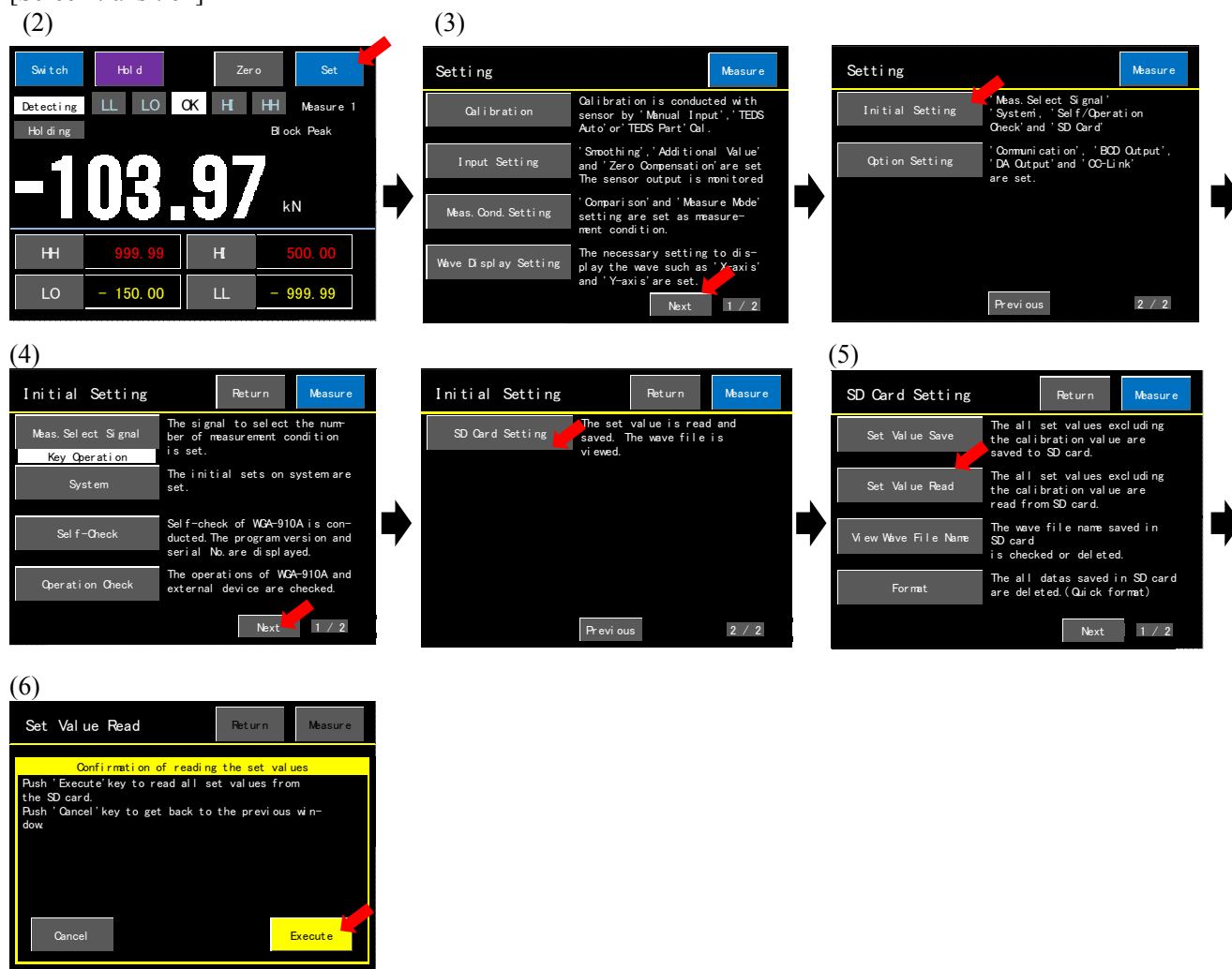
- (1) Press the [設定(SET)] key on measuring window.
- (2) Press the [次ページ(NEXT)] key and press the [初期設定(Initial Setting)] key on [設定(Setting)] window.
- (3) Press the [システム(System)] key on [初期設定(Initial Setting)] window.
- (4) Press the [言語(Language)] key on [システム(System)] window.
- (5) Press the [英語(English)] key and press the [登録(Resister)] key on [言語(Language)] window.



5. Read setting value

- (1) Insert the SD card saving the setting value to the WGA-910A.
- (2) Press the [SET] key on the measuring window.
- (3) Press the [Initial Setting] key on the [Setting] window.
- (4) Press the [SD Card Setting] key on the [Initial Setting] window.
- (5) Press the [Set value read] on the [SD Card Setting] window.
- (6) Press the [Execute] key on the [Set Value Read] window.

[Screen transition]



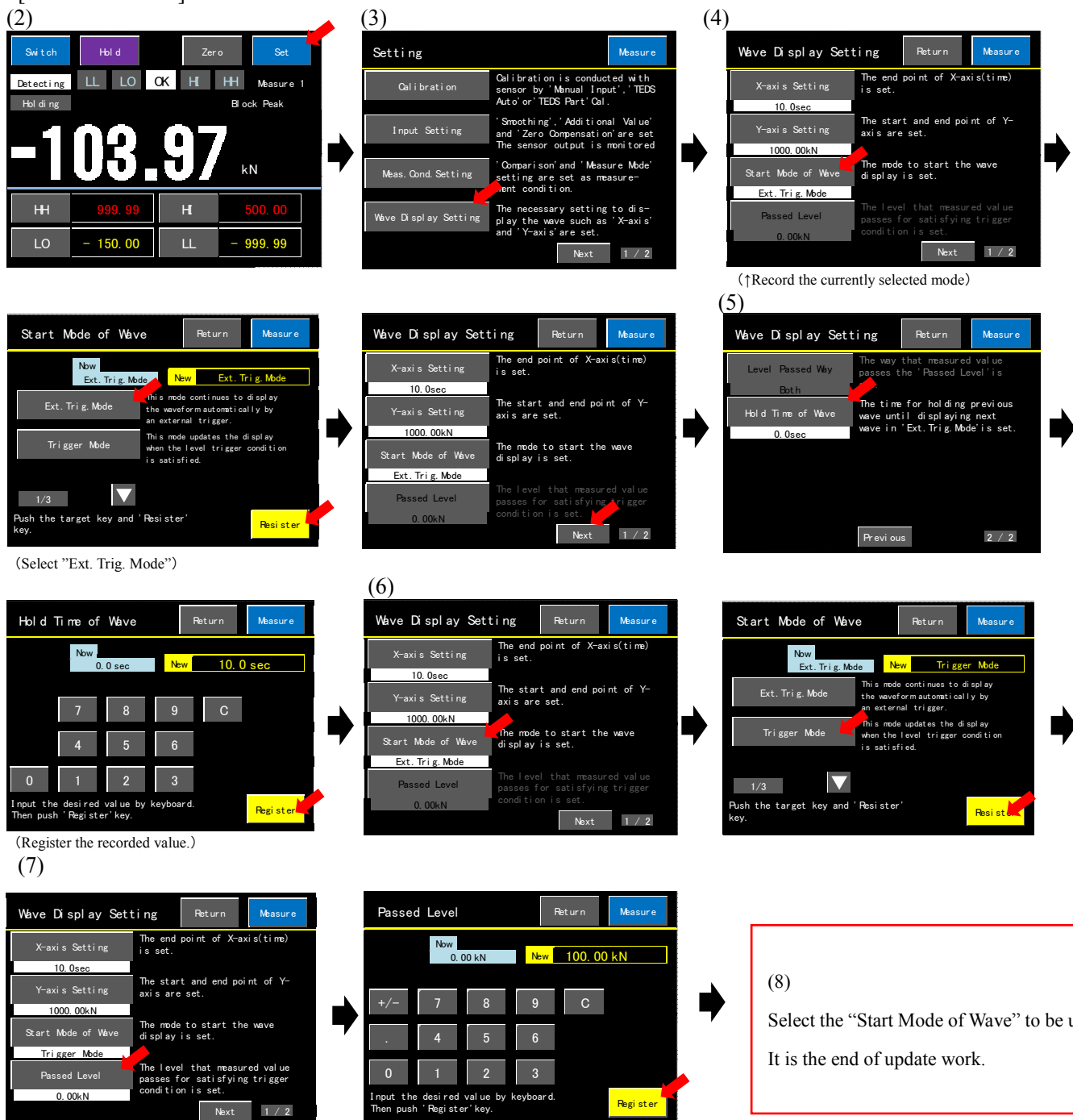
6. Reconfigure some functions

Reconfigure the value (Passed Level/ Hold Time of Wave) recorded at “1.3 Record the setting value”.

Be sure to turn off the power once and execute it. It cannot be set normally.

- (1) Disconnect the power supply once and turn on the power again.
- (2) Press the [SET] key on the measuring window.
- (3) Press the [Wave Display Setting] key on the [Setting] window.
- (4) Record the current [Start Mode of Wave] and temporarily select [Ext. Trig. Mode].
- (5) Change the setting of “Hold Wave Time” to the recorded value and register it.
- (6) Select “Trigger Mode” in the “Start Mode of Wave”.
- (7) Change the value of “Passed Level” to recorded value.
- (8) Register [Start Mode of Wave] to be used and complete the update process.

[Screen transition]



7. When in trouble

7.1. Cannot save the setting value in the SD card.

- Check whether the SD card can be read on the computer.
- Check whether the SD card is write-protected.
- Format the SD card with PC. For the SD card (2GB) and SDHC card (4GB~32GB), check the formatting form is FAT32.

7.2. Cannot update

- Check whether the SD card can be read on the computer.
- Check the update file is in root directory of SD card (E:\ etc). When the file is in another folder, it cannot be loaded.
- Check the update file name is not changed.
- Check the formatting form referring “6.1”.

7.3. Cannot read the setting value in the SD card.

- When the setting value error occurs, it may have moved the decimal point position with sensitivity registration setting etc after updating. Please set it to the same decimal point position as the state before update by sensitivity registration setting etc.
- It save the setting value in file”WGA910_SET.KS” in the SD card.
It cannot be read if the file is moved from the root directory (E:\ etc.) to another location or there is no data.

7.4. About reconfigure some functions

- If you forget “1.3 Record the setting value”

You can read the setting value with PC software for SD card (use the PC software “Ver01.04”). Check the “Passed Level” and “Hold Time of Wave” and refer “3. Reading setting value” in “Instruction manual (software for SD card)”.

- After updating Ver"2. **", the name of the waveform start mode will change. Please refer to it when updated.

Ver01.04	⇒	Ver after 02.00
Auto Mode	⇒	External Trigger Mode
Normal Mode	⇒	Trigger Mode
Single Mode	⇒	Single Trigger Mode