

# INSTRUCTION MANUAL

## ELAN 150 SW DENDO

Thank you for buying the electric reel of tailwalk.

Please be aware of the instructions before use and use the reel according to the safe and correct method on instructions. Besides, please keep this manual with the reel because this includes important details about the reel.

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# SAFETY PRECAUTIONS

● Please read it before using. ●

## ! Warning



- Make sure not to get caught a finger between Level wind and body.
- When using power from the battery, do not use power more than certain voltage (DC12V–13.8V) If it is used with power more than certain voltage, it could lead to burn by heat or damage on electric parts.
- Malfunction could be occurred by even weak electric originated by the reel using.

## ! Caution



- When line is released or wound, make sure not to get caught a finger to line.
- If there is water drop or moisture on LCD, motor could not be controlled because of malfunction, Please stop using right away and ask for repair.
- If you can smell something burning or see smoke from the reel, please remove the power immediately. It could ignite or motor could not be controlled.
- When plated or painted surface is peeled off, the part could be sharp. Please do not touch because there is possibility for injury.
- In the reason of line cut, power off, if counter marking is not right, reset counter measurement.
- Please do not place or use the reel where infants could reach.
- When cleaning or mending, proceed after making sure on removing power cord. Injury or reel damage could happen if the motor works incidentally.
- Before connecting the power, be sure to loosen the drag sufficiently. When it goes wrong, motor could rotate and it would break the rod by equipment pulled to rod.



- Do not press clutch during motor rotating, because there is possibility for malfunction.
- Before control ON/OFF button on speed lever, check clutch lever at ON.



- Do not dismantle or transform the body. It could affect to the performance or cause break down of reel.

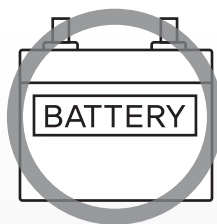
## HANDLING PRECAUTIONS

### 1 Regarding power supply

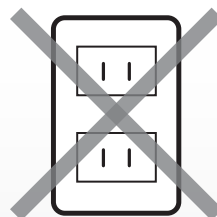
Power supply is D.C 12V (exclusive use).

It's not available for you to use others (AC 110V or 220V for home, D.C24V for ship) except the designated power supply.

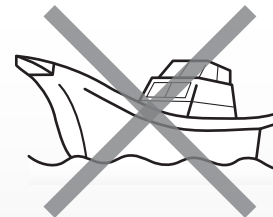
- Low volume battery can't show the electric reel's capacity normally owing to the sudden drop of electric pressure. We advise you to use the battery over 10Ah.
- Because 12V power supply on boat has an occasion that the voltage is unstable according to the state of wiring or generator, normal performance is impossible because the protection channel of this occasion reel operates or there is occasion that operation is suspended. Please use the exclusive battery only for electric reel.
- Please use fully charged battery.
- Because applying an electric current badness happens by rust etc. of terminal, there is normally malfunctioned. Please use after cleans cleanly or removes the rust in case of rust etc...



DC12V



AC100V



DC24V

● Please confirm below list before fishing ●

- If the battery leave alone for a long time, it is possible that natural discharge can lower the capacity.  
Before leaving home, make sure the battery is certainly charged.
- In power supply on boat, there is an occasion that it is impossible to use by connecting terminal shape etc..  
We recommend you to confirm it in advance.

## HANDLING PRECAUTIONS

### 2 Regarding power supply cord

- Connection of power certainly uses supply cord that is enclosed with reel in package box. If you remodel supply cord connection or use supply cord except pure attachment, reel can malfunction.
- You don't handle violently sources of electricity cord. If you wind it disorderly on the reels or step it or fold and bend it, those actions can cause failure such as a disconnection.
- After using, clean the contaminated parts with a soft towel which is wet with water and dry and keep it, (Don't wash under the water.)
- When you need to pull out the cord, grip certainly the connector part.
- Please don't put something heavy on the cord and don't make a knot with the cord.

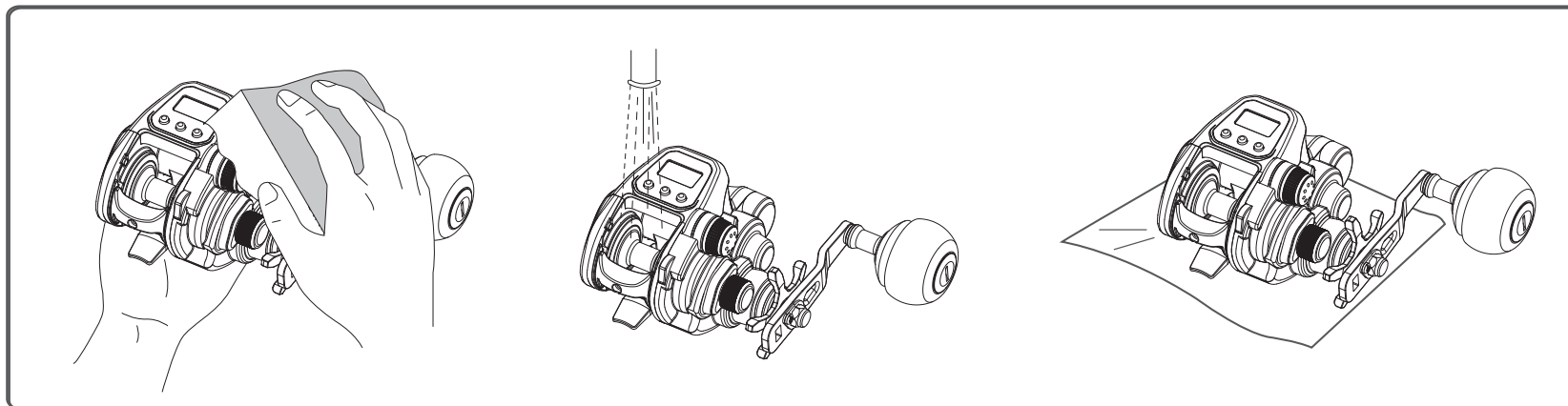
### 3 Regarding reel's main body

- In case the fishing line is hooked an obstacle on the bottom, don't pull the fishing rod or reel by constraint.
- Please handle carefully in order not to get an impact such as dropping.
- When setting up fishing rod holder, please observe especially not to be impacted to back of reel and supply cord.
- Breakages might happen if you operate the clutch lever under high tension of fishing line.



## 3

## Method for maintenance



**1** Please clean the contaminated parts of reel's body with a sponge or towel which is wet with a detergent.

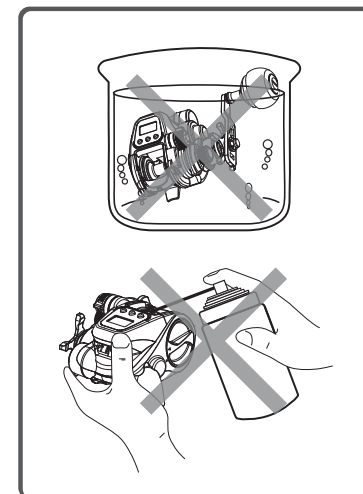
**2** Remove a detergent and contaminated material by spraying water. Remove also the salt on the spool part by spraying water.

**3** After removing the moisture, dry it in the shade.



### Attention

- Please use a neutral detergent.
- Please do not wash reels by soaking to the water.
- Be careful of the water pressure by washing. Too high water pressure removes the oil in the bearings and the side cover and it might be a cause of troubles.
- In case of leaving at a humid place or under high temperature, this can cause modification or quality deterioration.
- Please store the reel under dry and comfortable condition after washing.
- Never oil in the drag part. This can cause power deterioration or other troubles.
- Don't put grease from drain hole. Grease might hurt the coating of wiring.
- Please loosen the drag when storing. Tighten the drag when washing for avoiding immersion and stuck.
- When you do not use please, put on connector cap for connector protection.



## Main functions and features

Speed lever	Motor ON/OFF and speed of line winding are adjustable.
Carbon drag	Carbon material with smooth control, remarkable power and durability is used.
PICK UP	It is convenient to remove tangled line and attract fish.
Free spool	Spool is completely free with gear by clutch off. It makes easier to drag down even the light lure and equipment.
Flipping lever	Easy clutch lever control.
Automatic stop at boat end	The position of automatic stop can be set according to the rod and rig's length.
Setting-up "0" for the water surface	More specific swimming zone could be targeted by setting surface of water as 0m.
Reset "0"	When line is cut off, line data is revised.
Spool change	Quick spool change is available by opening spool cover.
Automatic slow winding	Winding with constant speed mode is available.



### Attention

- Please don't use the Flipping lever when the motor is on. Gears will take a load and might break.

## Part's name and functions

### FLIPPING LEVER

If the flipping lever is in "ON" position, you can make the clutch free only when pushing clutch lever \*Caution: Don't push clutch lever when motor is moving.

### CONTROL BOX

### SPEED LEVER

You can turn ON/OFF the motor and adjust the speed of winding.  
The speed will be up when you move the lever forwards.  
The speed will be down when you move the lever backwards.  
For your safety, the function doesn't work after auto stop.

### SPOOL COVER

Spool can be changed by opening the spool cover.

### BRAKE KNOB

You can adjust the brake to control falling speed.

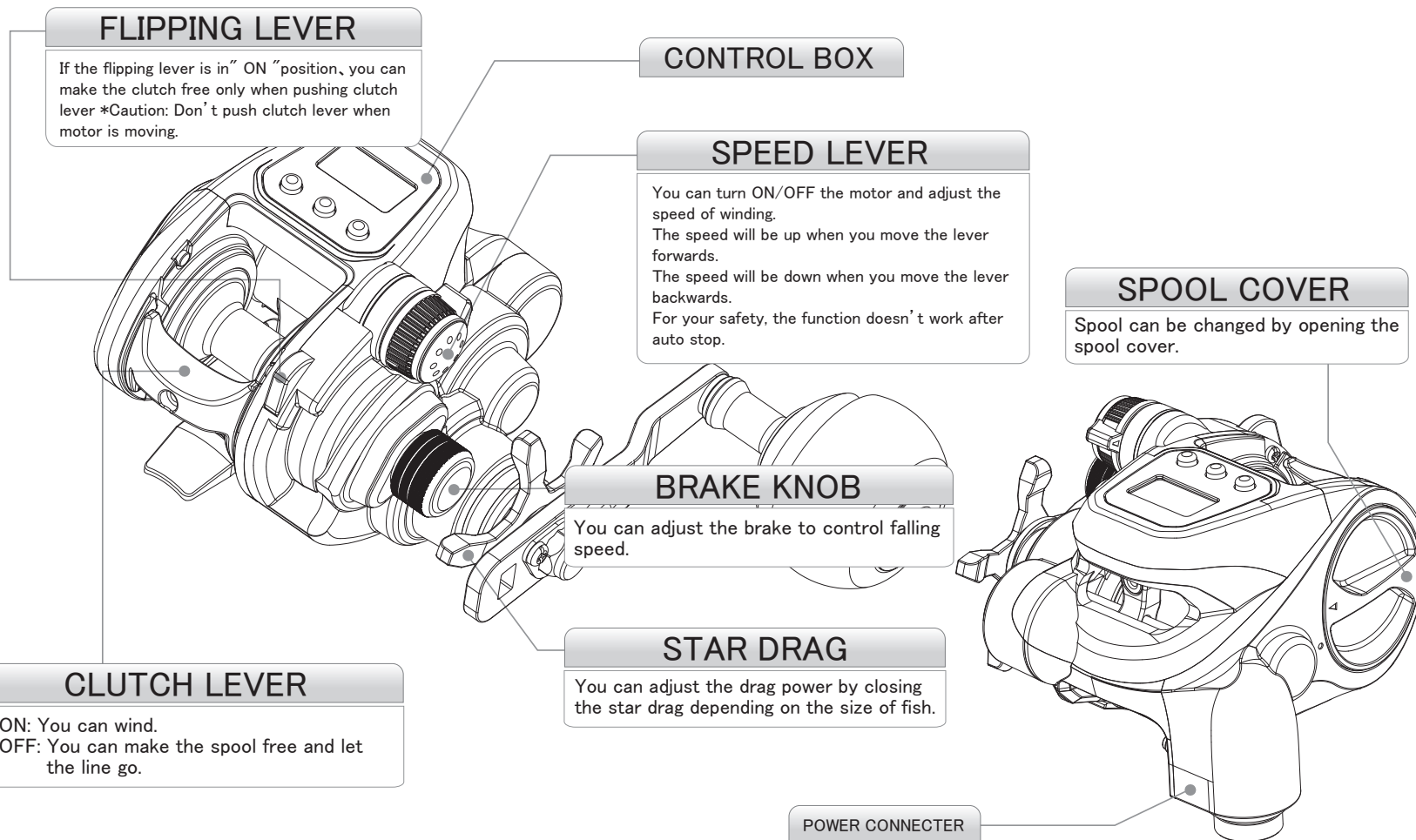
### STAR DRAG

You can adjust the drag power by closing the star drag depending on the size of fish.

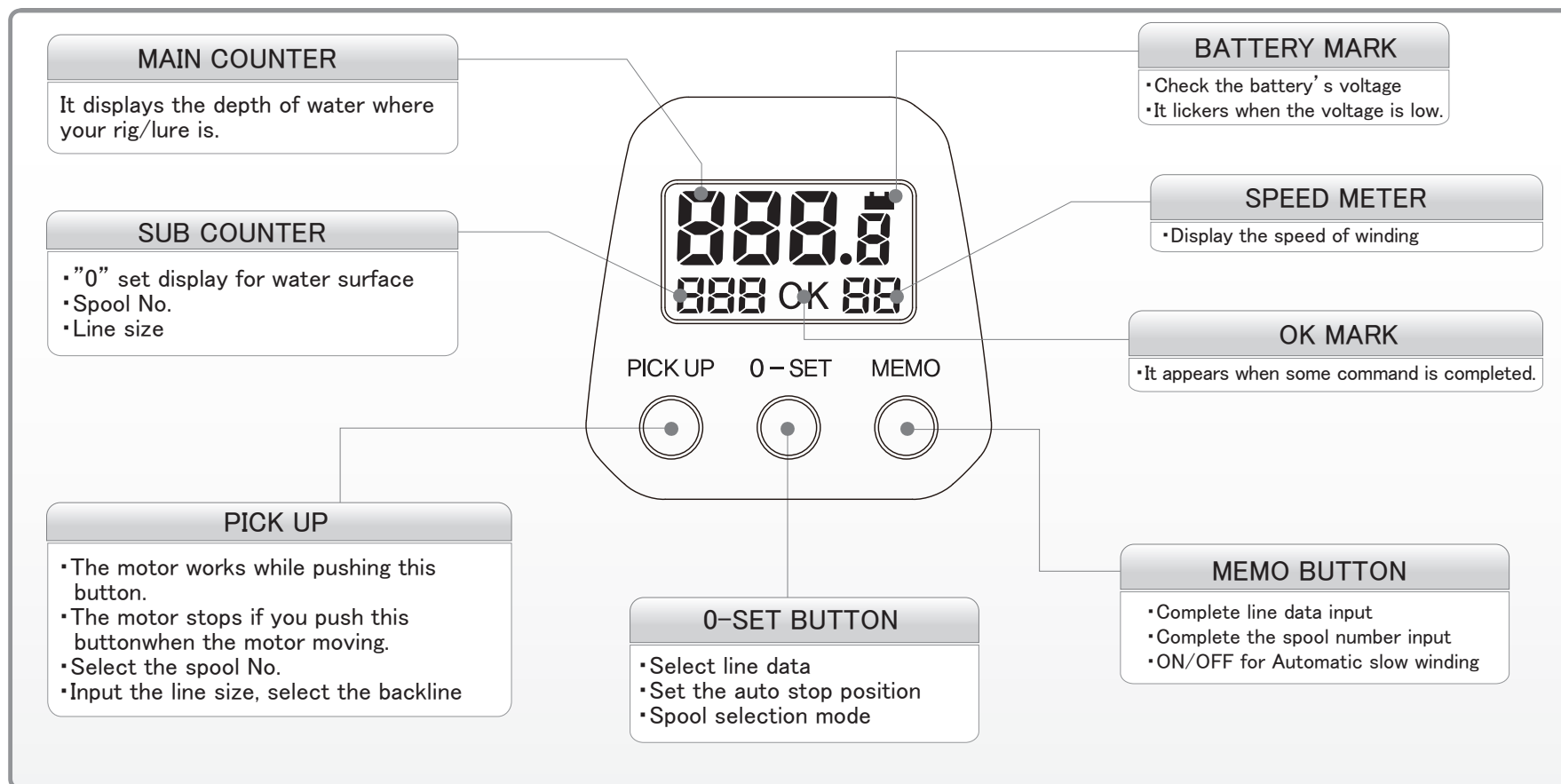
### CLUTCH LEVER

ON: You can wind.  
OFF: You can make the spool free and let the line go.

### POWER CONNECTER



## Control box



### Attention

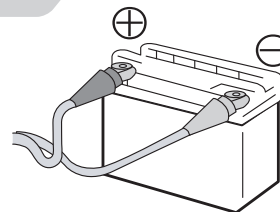
The display can be not easy to see if the temperature is under  $-10^{\circ}\text{C}$  or over  $60^{\circ}\text{C}$ .

## Preparations before use

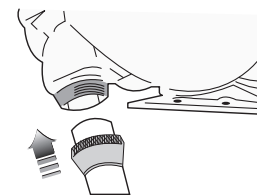
### Method for connection power supply

- Please connect power supply's clip in battery. Connect plus terminal – red clip Connect minus terminal – black clip [refer to picture 1]
  - Put in deeply and assemble the power supply's "parts and fix it certainly by a nut" [refer to picture 2]
  - If it's connected exactly, displayed the initial screen and alarm. [refer to picture 3] (If demo mode shown, fishing line data is not inputted)
  - If fishing line data is inputted, display like picture 4 after setting screen.
  - In [picture 4], battery mark is flickering but if electric pressure is normal, it will be disappeared in 5 minutes. In the event, battery mark is not disappeared, there is possibility of drop for electric pressure. Please exchange it or charge it.
  - In the event of [picture 4] (input completion of fishing line data), it is impossible to wind automatically within the sides of boat stop(5m) for safety. Only **PICK UP** work.
- \* Indication is established by 5m in case that do not establish a parts.
- \* If you have signed the depth of water's indication more than 5m, an automatic winding is possible.

picture 1



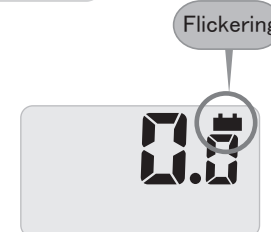
picture 2



picture 3



picture 4



### Attention

- If you connect the power supply again, it works back-up. After disconnection, if you reconnect within 5 minutes, there is no back-up but no problem.

## Preparations before use

### Method to input fishing line data –1(Smart input mode)

\* Smart input mode is the mode that the reel understands the thickness and length of line automatically.

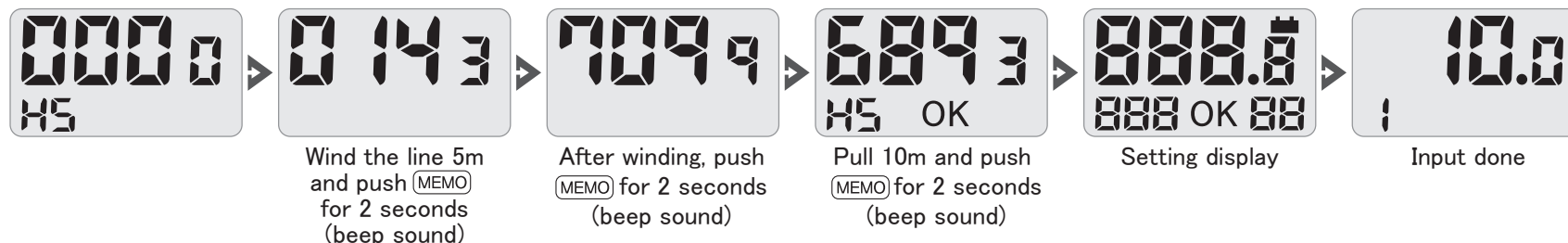
- ① Pass the line through the level wind and connect the line to the spool.
- ② Connect the reel to the power supply and check the display shows the same as Picture 5.  
(The display will be different if some line data is already set.)
- ③ Push **0-SET** and **MEMO** button for 3 seconds at the same time. The display will be same as Picture 6.
- ④ Set to Smart input mode by pushing **0-SET** button 5 times. (Picture 7)  
(See Picture 15 in Page 14 about the method of changing displays.)
- ⑤ Wind the line 5m with handle and push **MEMO** button for 2 seconds. (Picture 8)
- ⑥ Wind the rest of line with the speed lever.  
(Be careful not to wind all line inside of reel.)
- ⑦ After winding the line, please push **MEMO** button for 2 seconds.
- ⑧ Pull the line 10m and push **MEMO** button for 2 seconds.
- ⑨ The Smart input will be finished if Setting display is shown and “10.0” is displayed after that.
- ⑩ Wind the line 10m with handle or **PICK UP** button.

picture 5

picture 6

picture 7

picture 8



## Preparations before use



### Attention

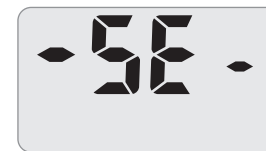
- When you wind the fishing line, you need to give the load of 1.0kg–1.5kg.
- The error range of counter will be bigger if the first 5m and the last 10m are inaccurate at Smart input mode setting. Marked lines with 1m marking are recommended for accuracy.
- If any errors come out during your operation, please finish the working by pushing the **MEMO** switch and restart it from the beginning.
- Indication of the depth of water is set below  $\pm 3\%$ , it is possible to happen more than little by the emission range or expansion and contraction.
- The error messages mean as following pictures.
- When [-CE-], [-SE-] are showing on display, it needs to be repaired at purchased store.



Error in the  
control box



Short of line



Error of spool's  
rotation

## Preparations before use

### Method to input fishing line data -2 (Smart input mode with backline)

\*Smart input mode is usable after winding backline.

- ① Pass the line through the level wind and connect the line to the spool.
- ② Connect the reel to the power supply and check the display shows the same as Picture 9.  
(The display will be different if some line data is already set.)
- ③ Wind the backline.
- ④ Connect the main line to the backline.
- ⑤ Push **0-SET** and **MEMO** button for 3 seconds at the same time.

The display will be same as Picture 10.

Set to Smart input mode by pushing **0-SET** button 5 times. (Picture 11)

- ⑥ Wind the main line 5m with handle and push **MEMO** button for 2 seconds. (Picture 12)
- ⑦ Wind the rest of line with the speed lever. (Be careful not to wind all line inside of reel.)
- ⑧ After winding the line, please push **MEMO** button for 2 seconds.
- ⑨ Pull the line 10m and push **MEMO** button for 2 seconds.
- ⑩ The Smart input will be finished if Setting display is shown and "10.0" is displayed after that.
- ⑪ Wind the line 10m with handle or **PICK UP** button.

picture 9

picture 10

picture 11

picture 12

Wind the line 5m  
and push **MEMO**  
for 2 seconds  
(beep sound)

After winding, push  
**MEMO** for 2 seconds  
(beep sound)

Pull 10m and push  
**MEMO** for 2 seconds  
(beep sound)

Setting display

Input done



## Preparations before use



### Attention

- If you apply Smart input mode with the backline, start setting after winding the backline.
- When you wind the fishing line, you need to give the load of 1.0kg–1.5kg.
- The error range of counter will be bigger if the first 5m and the last 10m are inaccurate at Smart input mode setting. Marked lines with 1m marking are recommended for accuracy.
- If any errors come out during your operation, please finish the working by pushing the **MEMO** switch and restart it from the beginning.
- Indication of the depth of water is set below  $\pm 3\%$ , it is possible to happen more than little by the emission range or expansion and contraction.
- The error messages mean as following pictures.
- When [-CE-], [-SE-] are showing on display, it needs to be repaired at purchased store.



Error in the  
control box



Short of line



Error of spool's  
rotation

## Preparations before use

### Method to input fishing line data -3 (Select line data for S type spool)

- You can select one line data for S type spool (=PE#1 300m) from 4 following options that are input already in the reel.

PE#0.8 300m

PE#1 300m

PE#1.5 150m

PE#2 100m

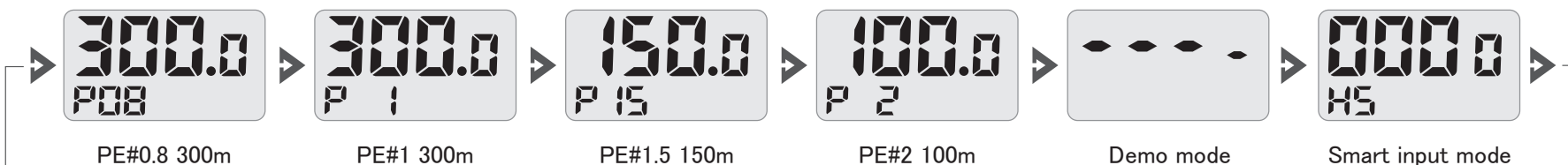
- These 4 options are not available for D type spool (=PE#2 200m). Please use Smart input mode for D type spool.

- Pass the line through the level wind and connect the line to the spool.
- Connect the reel to the power supply and check the display shows the same as Picture 13.  
(The display will be different if some line data is already set.)
- Push **0-SET** and **MEMO** button for 3 seconds at the same time.  
The display will be same as Picture 14.
- Select the appropriate line data by pushing **0-SET** button.  
The display changes by each one push. (Picture 15)

picture 13

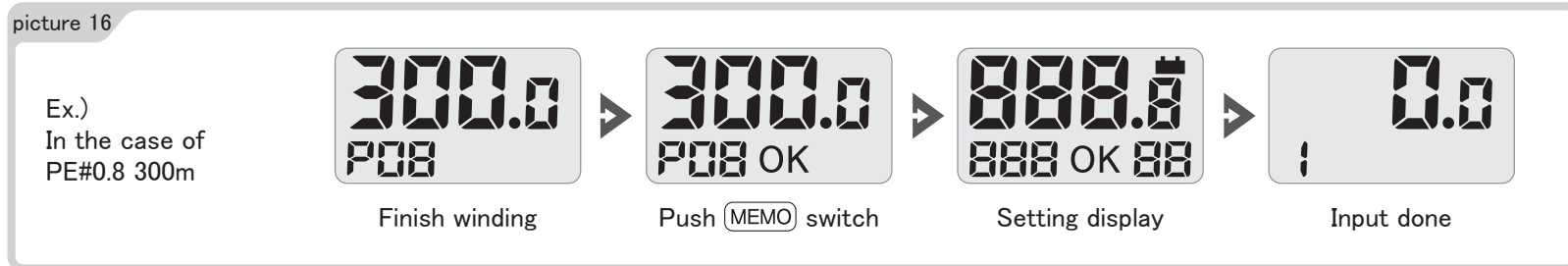
picture 14

picture 15



## Preparations before use

- Please wind the line after you confirm whether the line to be wound and the selected line data is corresponding.
- The motor will automatically be stopped in front of selected fishing line's 15m after the motor is stopped. please wind the rest of line by using **PICK UP** switch or handle.
- When you finish the winding, push the **MEMO** switch and complete the input. The LCD changes as below procedure. (Picture 16)



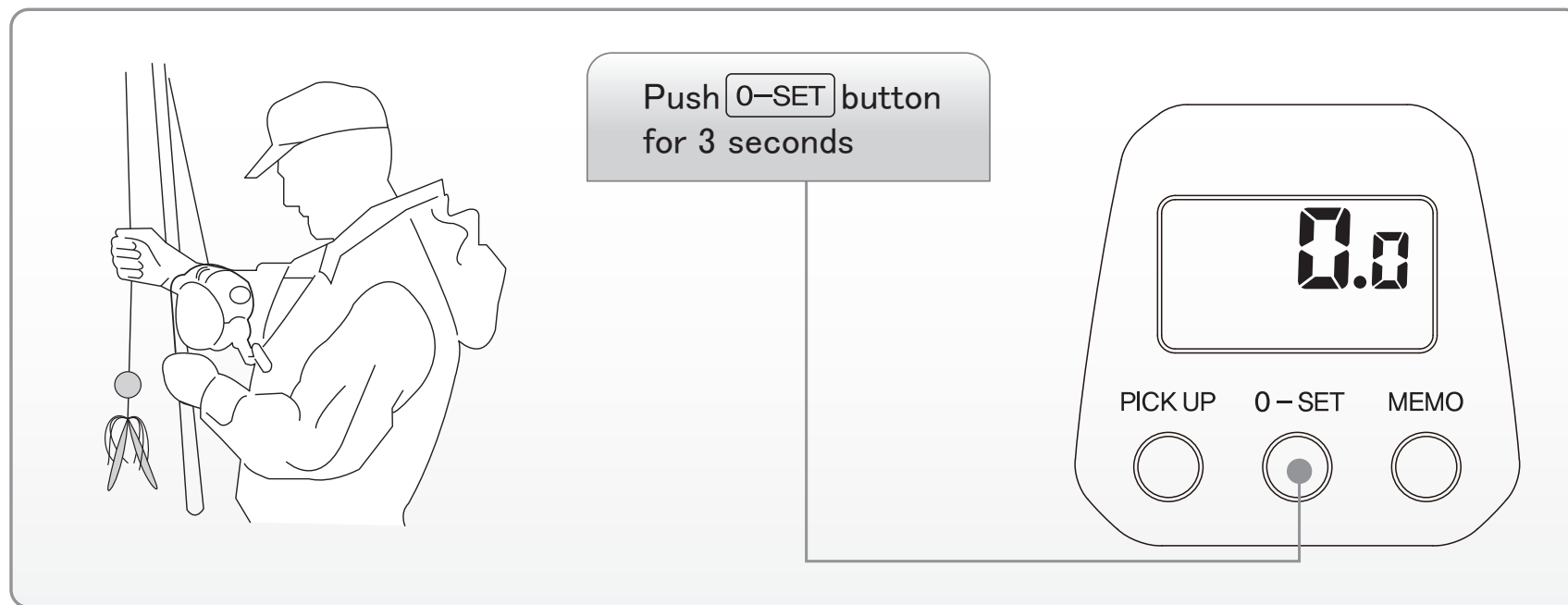
### Attention

- When you wind the fishing line, you need to give the load of 1.0kg–1.5kg.
- If the **MEMO** switch is pushed when the Demo mode, the already set data will be deleted and becomes Demo mode.
- If any errors come out during your operation, please finish the working by pushing the **MEMO** switch and restart it from the beginning.
- Indication of the depth of water is set below  $\pm 3\%$ , it is possible to happen more than little by the emission range or expansion and contraction.

## Operation method

### 1 Automatic stop at boat end

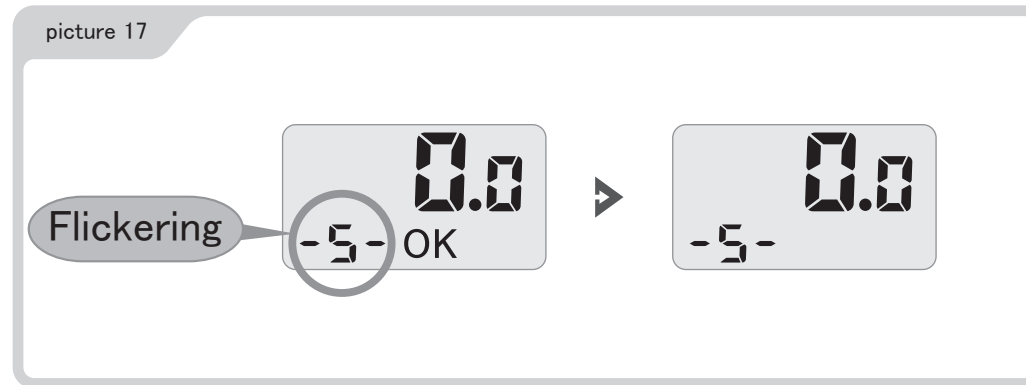
- This function is to stop the winding in the set position.
- The alarm sound alerts each 1m from 5m position before the set position.
- Operation procedure
  - ① Pull the from the reel and set the rig. And connect the reel to power supply.
  - ② Adjust the length of line as following picture.



## Operation method

③ Push **0-SET** button for 3 seconds. The automatic stop position is set successfully if the alarm sounds and the LCD shows as Picture 17.

\* Then, “-S-” and “OK” flicker. You can set “0” the water surface together.\* ”OK” disappears after 5 seconds.



### Attention

- If you use the reel without setting the set position, the automatic stop works at 5m position.
- The set position might be a little moved because of the line's expansion. Then, please reset the position.
- You can use the reel even without setting “0” the water surface.

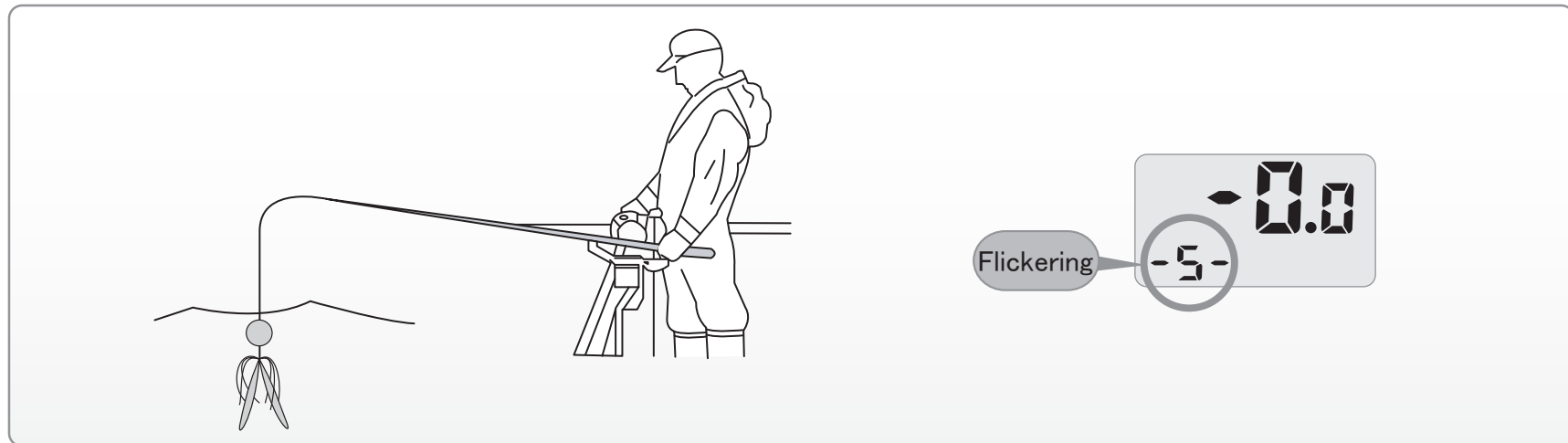
## Operation method

### 2 Setting-up "0" for the water surface

- You can set "0" for the water surface to know the water depth more accurately.
- "0" can be set when "-S-" is displayed after setting the automatic stop position. (Picture 18)
- Operation Procedure
  - ①: Make position of the rig and the rod as following picture and confirm the rig's position is just at the water surface.

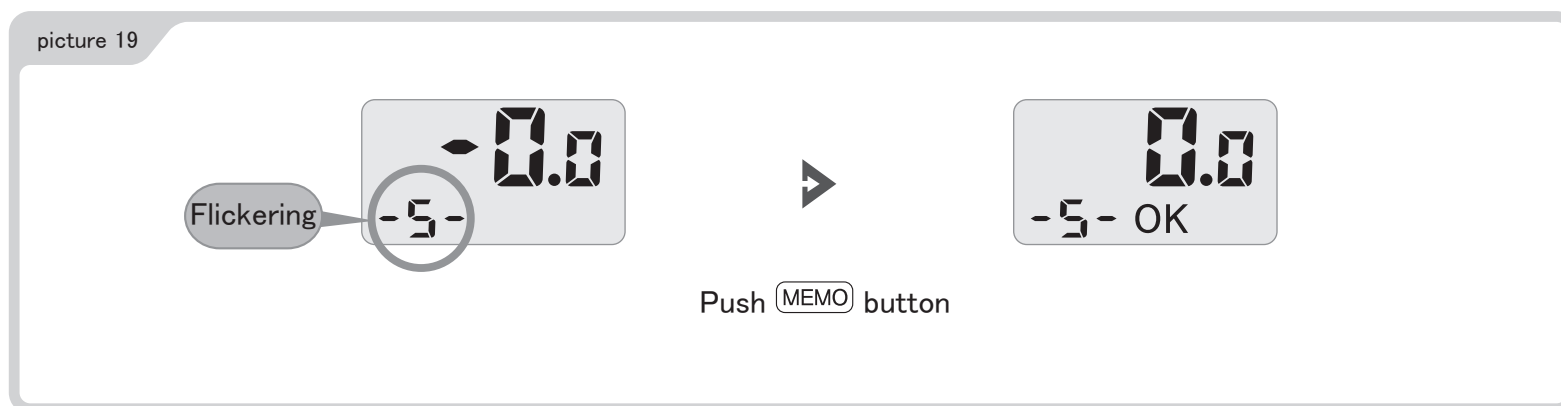
\*The water depth display shows "-0.0" when you wind the line up to the water surface.

picture 18



## Operation method

- ② Push **MEMO** button, The position is set as “0” water surface.  
Flickering “-S-” remains and “OK” appears. (Picture 19)  
\*“0” water surface and “OK” displays disappear after “10.0” water depth.



### Attention

- “0” water surface is not the automatic stop position.

## Operation method

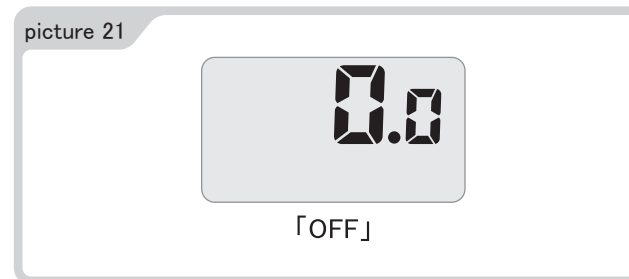
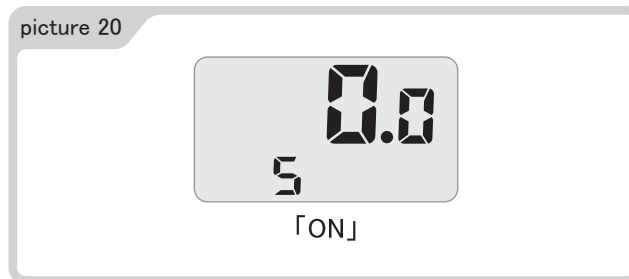
### 3 Automatic slow winding (available for 1–6 speed range)

- The function for winding in same speed even when load is applied.

Turn ON: Push **MEMO** button for 5 seconds. (This mode is set as OFF at factory.)

It's turned ON when "S" is shown on the sub counter as Picture 20. (beep sound)

\*The automatic slow winding is available for 1–6 speed range.



Turn OFF: Push **MEMO** button for 5 seconds. (beep sound)

\*"S" disappears as Picture 21.



### Attention

- The automatic slow winding function might not work well if the drag is set too weak.



## Operation method

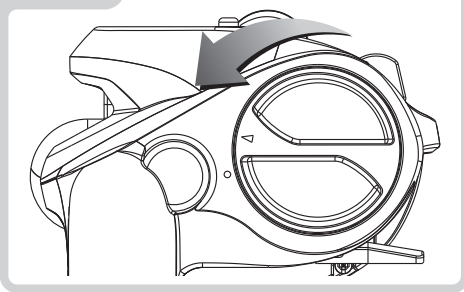
### 4 Spool change

- Spare spool can be changed.

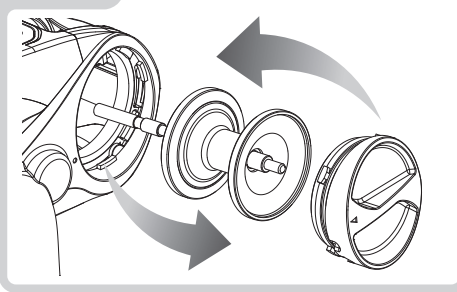
Operation procedure A

- ①: Make sure that the power supply is disconnected.
- ②: Take off the spool cover as turning it in the direction in Picture 22.
- ③: Take off the spool and put the new spool. (Picture 23)
- ④: Confirm that the spool is inserted to the end. Put the spool cover and close it. (Picture 24)  
\*Turn the spool cover tightly to the clicking sound.

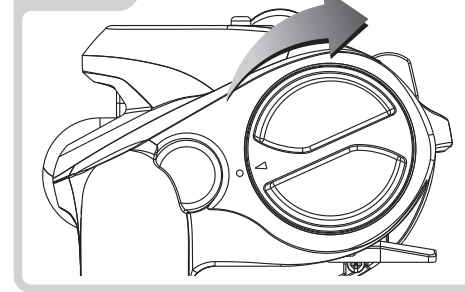
picture 22



picture 23



picture 24



## Operation method

- Let the reel recognize the spool number (2 different spool line data can be set in one reel.)

### Operation procedure B

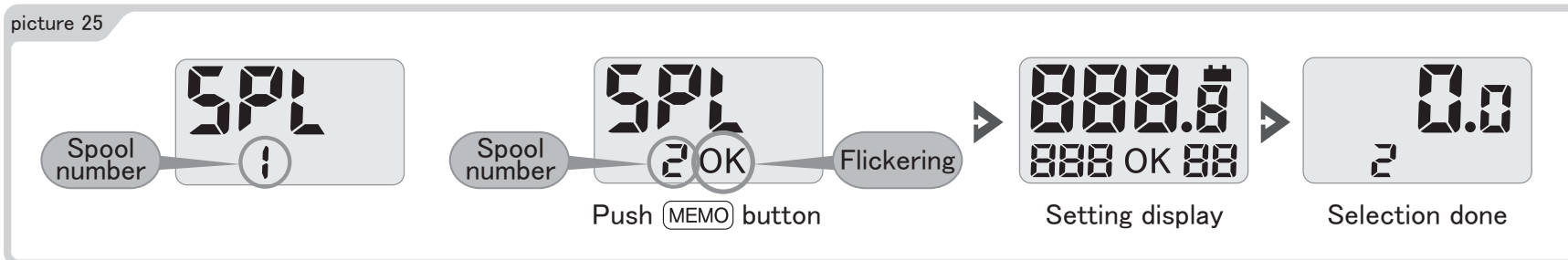
- ①: Connect the reel to the power supply. While the LCD shows the countdown, push **[0-SET]** button long time.
- ②: It's successful when "SLP 1" is displayed (beep sound)
- ③: Push **[PICK UP]** and select the equipped spool's number.
- ④: Push **[MEMO]** and after selection of spool number. (beep sound)
- ⑤: The selection of spool is done when the initial display starts after "OK" flickering. (Picture 25)
- ⑥: If it's first time to select the spool, set up the line data after the selection. (See Page 10-15)

- Change spool at actual fishing fields.

### Operation procedure C

- ①: Remove the power supply and turn the reel off.
- ②: Change the spool according to the operation procedure A in Page 21.
- ③: Connect the reel to the power supply as pushing **[MEMO]**. Push **[0-SET]** long time while the countdown is displayed.
- ④: Select the spool according to the operation procedure B.

picture 25



### Attention

- Change the spool as loosening the tension knob. Changing spool with tight tension knob is difficult.
- The error of the water depth will be bigger if the equipped spool and the selected spool are different.
- Be careful about dropping out of spool and spool cover when changing spool.
- Please take note information about the spool number and the line data for reminder.

## Operation method

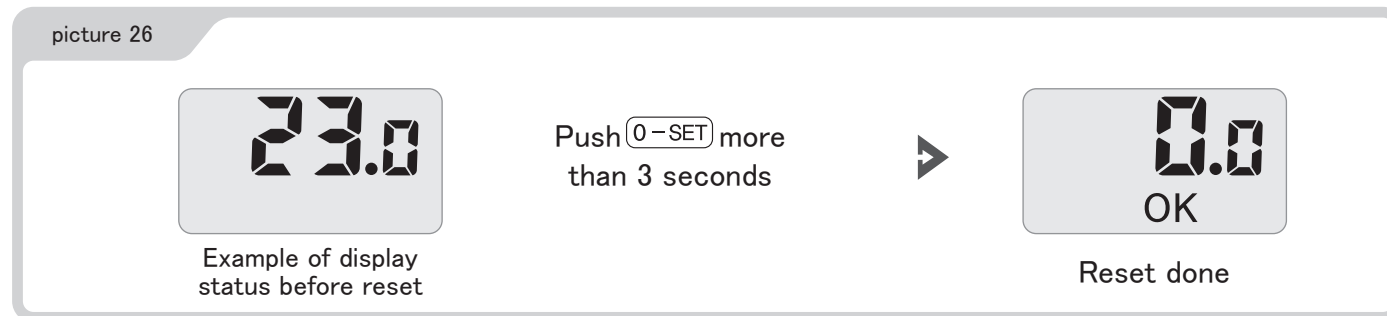
### 5 Reset "0"

- If the line is cut accidentally, you can reset "0".

\*You can reset "0" if the length of cut line is longer than 10m.

Operation procedure

- ①: Pick up the line and connect the rig again.
- ②: Push **0-SET** more than 3 seconds. If it's reset successfully, the alarm sounds and the main counter shows "0.0". (Picture 26)



\*After reset "0", please reset the automatic stop position as well.



### Attention

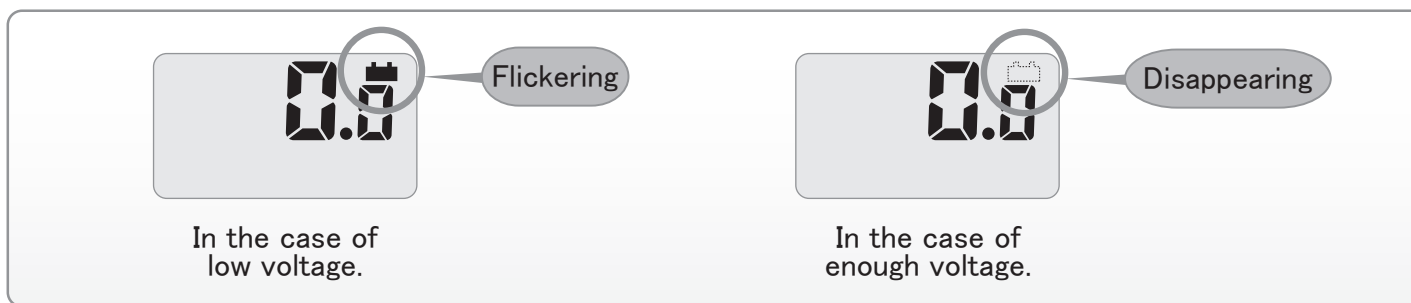
If you don't reset the automatic stop position after resetting "0", the automatic stop position will be 5m.

## Safety function

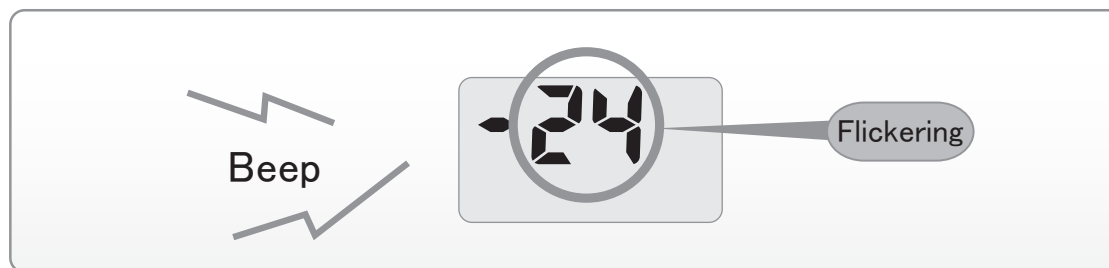
### 1

#### Battery check

- You can check the voltage of battery (power supply) while connecting.
- If the battery has no problem, the flickering battery mark in 5 seconds.
- If the battery is low, the flickering battery mark remains. Change the battery or charge it.



- If the voltage of battery is too high, the alarm alerts. Stop using the battery.



## Safety function

### 2 Memory backup

- The data of water depth is in memory around 5 minutes even if the cable or clips are put off during fishing.



#### Attention

- Don't wind or release the line without power supply. It causes the error of counter.

### 3 Circuit breaker

- The load can be too high against the reel's winding speed and the rotation of spool can be stopped. Then, the circuit breaker works and the motor stops when the spool stops around 30 seconds. The alarm starts and the display flickers.
- The motor restarts if the speed lever is pull back to OFF position.
- The motor doesn't work after the breaker works 3 times continuously in maximum speed.  
Take off the power supply and leave it more than 10 minutes and reconnect it.



#### Attention

- Restart the motor with less load.

## Trouble and solution

Trouble	Possible causes	Solution
LCD doesn't work.	<ul style="list-style-type: none"> <li>●The power cable is not correctly connected.</li> <li>●The power cable is cut inside.</li> <li>●The low voltage of battery.</li> </ul>	<ul style="list-style-type: none"> <li>●Connect correctly.</li> <li>●Ask the distributor of your country.</li> <li>●Charge the battery or change the battery.</li> </ul>
The error of counter is too big.	<ul style="list-style-type: none"> <li>●Mistake of line data setting</li> <li>●The expansion rate of line is big.</li> </ul>	<ul style="list-style-type: none"> <li>●Reset the line data.</li> </ul>
The winding with motor doesn't work.	<ul style="list-style-type: none"> <li>●The water depth is 0.</li> <li>●The capacity of the battery is small.</li> <li>●The connector is rusted.</li> <li>●The voltage of boat's battery is no stable.</li> <li>●The connector is not correctly connected.</li> </ul>	<ul style="list-style-type: none"> <li>●Pull the line more than the automatic stop position.</li> <li>●Charge the battery or change the battery.</li> <li>●Remove the rust on the connectors.</li> <li>●Try the battery for fishing purpose.</li> <li>●Try the new power cable.</li> </ul>
Clutch can't be OFF.	<ul style="list-style-type: none"> <li>●The flipping lever is ON.</li> </ul>	<ul style="list-style-type: none"> <li>●Turn off the flipping lever.</li> </ul>

\*Please ask the distributor of your country if the solution above doesn't work well.

## Specifications

Gear ratio (Hand-winding)		Weight	Maximum drag
5 : 1		435g	6kg
Line capacity		Bearings	Available voltage
S type spool	D type spool		
#1-300m	#1-400m		
#1.5-150m	#1.5-250m		
#2-100m	#2-200m	7+2	DC12V~14.8V
Motor power in 12V		Maximum winding speed (without load in 12V)	Winding speed (with 1kg load in 12V)
4kg		150m/min	120m/min
Motor power in 13V		Winding speed (with 1kg load in 13V)	
4.5kg		150m/min	

