

Manual to ConnectScale Digital Fish Scale

Model No.: CS-55-1

Note: The data might be a little different from the sample, please kindly inform us for updating and modifying if the test result different from this manual.

Basic:

1. Capacity/ Division: 1) 25KG(26KG MAX)/10g, 2) 50KG(51KG MAX)/10g
2. Division: KG: 0.01kg, LB: 0.01 LB, OZ: 0.1 OZ
3. Weighing Unit : KG/ LB/ OZ/ °F/ °C with key to make switch
4. Tolerance: 1/5000
5. Hold : Auto hold, with "HOLD" on screen
6. Screen: OCS-26-LCD, 5unit, size mm
7. Over load indication: when weight over 1kg than capacity, will indicate "O-Ld"
8. Low power indicate: the screen shows "Lo" when power lower than 1V($\pm 0.2V$)
9. Auto turn off: 60S
10. back light : yes, 15s no operating after turn on, the back light auto shut off
11. Buzzer : yes.
12. Function of keys: [ON/OFF]---turn on/ turn off; [UNIT]---unit switch; [RESET]--- clear.
13. Temperature test: 0~60°C/1°C, 10~40°C $\pm 2^\circ\text{C}$ (after calibration) 32~122°F/1°F ($^\circ\text{F}=1.8*^\circ\text{C}+32$)
14. ON/OFF status: turn on shows "HELLO", turn off shows "bYE"
15. Factory calibration: 1 o'clock, 25kg
16. Data transfer: Bluetooth 4.0 , UART, wave 9600, 8, 1 (communication commission), single sending data
17. Data sending: sclae forward basic kg and basic°C data
18. Data receiving : not available
19. Distance: wireless bluetooth reach distance at idea condision ≥ 20 m, with wall ≥ 5 m
20. Working condition: 0~40°C, RH< 90%
21. Power: DC3V (2 pcs no.7 aa battery) current; working current (not including back light) about 5.9mA, total current (with back light) 约 8.8mA; shut off current 10~20uA (with 3V power supply)

Operation

1. Weighing: put battery in, the scale sounds "di", screen shows "HELLO" then shows "0.00kg ". Hang weight on the hook, indicate weight change. The screen shows weight changed, when stabled, screen show "HOLD" and sounds "di". Then this weight will be sent. After hold, press [ON/OFF]could unhold, press key [RESET]could clear the weight and restart weighing. No weight status, press key [ON/OFF] when shows "bYE" turn off, meanwhile sending turn off code
2. Working status, press key [UNIT] can switch unit, unit could be: KGÆ LBÆ OZÆ °FÆ °C; when choose temperature, will send data (°C)
3. Press[ON/OFF]after set battery, auto choose hold mode. After turn on, press key [RESET] for 3S until the screen shows "H-oFF", means Hold function off, press

[RESET]for 3s secondly, the screen shows “H-on” , means Hold function is on
4. Turn off code transferred when turn off, overload shows “O-Ld” and send overload code, low power shows “Lo” and send power error code。

Calibration

1. Temperature: press [ON/OFF] turn on, when it shows “HELLO” press [ON/OFF] 4 times and keep last press about 1S→ when it shows “C” (means temperature calibrating status), press [ON/OFF] within 3s, when screen shows calibrating times “0x” then shows “35C” into temperature calibrating. Then press [UNIT] to adjust temperature same as working condition, then press [ON/OFF] to confirm the temperature and finish temperature calibrating and into weighing calibrating. Please check the following for weight calibration.

2. Weigh calibration: press [ON/OFF] to turn on, when it shows “HELLO” press [ON/OFF] 4times fast and keep the last time 1S until it shows“C”. Waiting 3s without any operation, the scale will into weighing calibration auto. It indicates inner weight code. Then press [ON/OFF]shows calibration time “0y” then show “2510” (means 25kg/10g) Press [UNIT]could choose Capacity (shows “5010” means 50kg/10g)

Then press [ON/OFF]to confirm into weighting calibration status. When it shows 25kg, put 25kg weight, it will shows “PASS” means calibration finished and back to weighing status.

Remark: When temperature calibration time over 8 times and weight calibration over 10 times, it shows “iEr”

Wire

1. Power wire: 3V supply please pay attention to +/_, wrong power might destroy the IC.

2. Sensor wire. Red wire V+ or E+, black wire V-or E-, rest 2 wire for S+ & S-.

3. With power supply, into inner weight status checking, pull sensor, if inner weight increase, the wire in right status, if inner wight decrease, means sensor wire wrong status, please check S+ and S- status.

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Statement

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.